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*The Official Journal of the Foundation For Amateur Radio, Inc.*

## NOVEMBER 1998



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## *In this month's issue . . .*

### **Regular & Special Features:**

Regional Hamfests . . . . .	4	Central Maryland Amateur Radio Club . . . .	41
ARES Public Service Calendar . . . . .	4	Charles County Amateur Radio Club . . . .	42
Rules and Regs . . . . .	5	Cheese Hollow Amateur Radio Society . . .	43
Member Clubs . . . . .	6	Columbia Amateur Radio Association . . . .	44
ARRL Report . . . . .	10	Digital Mid-Atlantic Radio Council . . . .	45
DX DX DX . . . . .	13	Dulles Amateur Radio Group . . . . .	46
FAR Meeting Minutes . . . . .	14	Green Mountain Repeater Association . . .	47
MARS Report . . . . .	15	Historical Electronics Museum ARC . . . .	48
FAR 1998 Scholarship Award Winners . . . .	18	Maryland Apple Dumpling Radio Am.Soc. .	49
Amateur Radio Training . . . . .	35	National Capital ARES Council . . . . .	50
Examination Schedules . . . . .	36	Potomac Valley Radio Club . . . . .	51
Training Classes . . . . .	38	Quarter Century Wireless Assn. #91 . . . .	52
The Changing Future of Amateur Radio . . .	57	Shenandoah Valley Amateur Radio Club . .	53
Shack Sales . . . . .	59	Southern Maryland Amateur Radio Club . .	54

### **Club Columns:**

Alexandria Radio Club . . . . .	40	T-MARC . . . . .	55
Anne Arundel Radio Club . . . . .	40	Woodbridge Wireless, Inc. . . . .	56

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# Regional Hamfests and Other Events

November 7 South Carolina State Convention, Myrtle Beach, SC  
Nov. 21-22 Southern Florida Section Convention, Tampa, FL

813-525-5178



## National Capital ARES Council Public Service Calendar

**October 25:** Marine Corps Marathon (if you are reading this and its not passed, its not too late!) Contact: Jeanne Rexroad N4ZGI (703) 971-0384

**November 7:** Skywarn Advisory Committee: 10 AM at National Weather Service Baltimore & Washington Forecast Office in Sterling, Va. Contact: George Saunders KR4MU (703) 538-4959

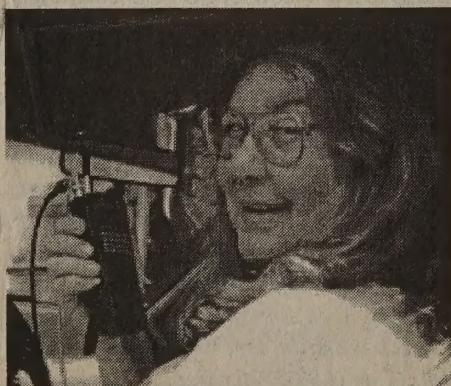
**December 5:** NCAC Institute: all day at Office of Emergency Preparedness in Rockville, Md.

**December 31:** First Night, Alexandria: Contact: Jeanne Rexroad N4ZGI (703) 971-0384

## NEXT FOUNDATION MEETING

The Foundation for Amateur Radio, Inc. meets at 8: p.m. on the second Wednesday of each month. **Visitors are always welcome!** The next meeting will be held November 11th at the Lee Center, Alexandria, Virginia. Take Capitol Beltway to Exit 1 (US 1 North). North to the second traffic light, left on Gibbon Street to Fayette. Left on Fayette to dead end at Lee Center Parking Lot. The meeting is conducted in the conference room near the main office of the center.

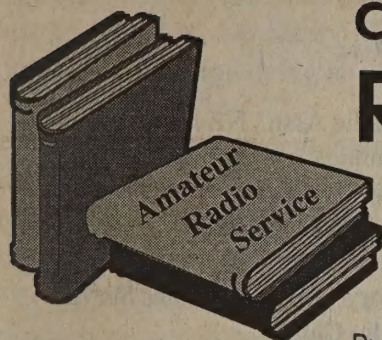
**Talk-in on  
146.55**



## On The Cover

Theresa Hartley, N4WVF is one of 67 Foundation for Amateur Radio scholarship award winners for 1998. Theresa is a member of the St. Augustine Radio Club, in St. Augustine, Florida and is working on her computer science degree at the University of North Florida in Jacksonville. The complete listing of all FAR scholarship award winners begins on page 18 of this issue.





# Rules and Regs

By Jack Kelleher  
W4ZC

## ARRL PRESIDENT ON RESTRUCTURING (Tnx ARN #1098, 9/10/98)

Rod Stafford, W6ROD, President of the American Radio Relay League defends and explains the League's proposal to restructure Amateur Radio in a letter that he is sending out in answer to queries from concerned hams.

(ARRL's restructuring proposals were approved by the ARRL Board at its July meeting and forwarded to the FCC in a letter dated 22 July). Stafford says that hams have been slipping father and father behind the technology power curve and that others outside of ham radio are taking note of that.

Stafford points to the primary modes used by hams. He notes that SSB, CW and FM have each been around for more than half a century. Stafford says that we have to change people's perception of ham radio being a pursuit involving seventy year old communications techniques.

Regarding the Morse code, Stafford says that there is no move on the part of the ARRL to eliminate it. Rather the League wants to put it into proper perspective as we move into the new century. Stafford says that he believes that the Morse will be around for a very long time. But the ARRL leader also says that as an examination element CW carries much more weight than it should at the present time.

Stafford also says that ham radio sits on some very valuable radio real estate that we essentially use for hobby purposes. He says that in recent years it has become very difficult to justify our retaining and defending our spectrum from commercial interests. These are companies who make very good arguments as to why they shouldn't be permitted to use our spectrum for endeavors that will generate jobs and utilize cutting edge communications technology. These organizations says Stafford are willing to put the spectrum to use for commercial rather than hobby purposes.

Stafford also cites some of the same alarming slow growth statistics that we have presented on Newsline several times in the past. He says that one need only look at the numbers to realize that the average age of most active hams is up near 60. Also that there is an under two percent annual growth rate in the service. The ARRL leader says that the argument that ham radio needs to retain spectrum for growth is unconvincing to the FCC and other interests who take the time to read the numbers.

Rod Stafford says that taking these factors into consideration, that Amateur Radio is now viewed as a group of aging radio hobbyists. We are also viewed as hobbyists who use less than state of the art communications technology. This says W6ROD, makes us vulnerable to spectrum challenges from other sectors of the communications industry.

President Stafford says that the changes being proposed by the ARRL are not a complete solution to any of these problems but that they are a start. He says that hams still have to make an effort to move to more advanced communication technology and to do so quickly.

## ORACLE AFFILIATES WITH NCI (Tnx ARN #1098, 9/10/98)

ORACLE (Organization Requesting Alternatives by Code-Less Examinations  
*Continued on page 7*





## MEMBER CLUBS

Adams County Amateur Radio Society	Mercury Amateur Radio Assn., NE Area
Alexandria Radio Club	Metropolitan Communications Network
Amateur Radio Research and Develop. Corp.	Metrovision Amateur TV Club
AMSAT - Radio Amateur Satellite Corporation	Mid-Atlantic DX & Repeater Assn.
Anne Arundel Radio Club	Montgomery Amateur Radio Club
Antietam Radio Association, Inc.	Montgomery Auxiliary Communications Service
ARINC Amateur Radio Club	Moose Amateur Radio Club
Arlington Amateur Radio Club	Mount Vernon Amateur Radio Club
Baltimore Amateur Radio Club	National Capitol ARES Council
Baltimore Radio Amateur Television Society	National Capitol DX Association
Calvert Amateur Radio Association	Naval Research Laboratory Radio Club
Capital City Amateur Radio Society	NOAA Amateur Radio Club
Capital Hill Amateur Radio Society	North Point FM Association
Carroll County Amateur Radio Club	Northern Virginia FM Association
Central Maryland Amateur Radio Club	Northern Virginia Radio Club
Charles County Amateur Radio Club, Inc.	Ole Virginia Hams Amateur Radio Club
Chaverim of the Greater Washington Area	Opequon Radio Society
Cheese Hollow Amateur Radio Society	Pentagon Amateur Radio Club
Columbia Amateur Radio Association	Potomac Area VHF Society
D-MARC - Digital Mid-Atlantic Radio Council	Potomac Valley Radio Club
Department of State Amateur Radio Club	Prince George's Wireless Association, Inc.
Dulles Amateur Radio Group	Prince George's County ARES/RACES
Explorer Post #80- Amateur Radio	Quarter Century Wireless Association, Inc.
Fauquier Amateur Radio Association	Baltimore Chapter #20
Federal City REACT Amateur Radio Club	Del-Mar-VA Chapter #150
Frederick Amateur Radio Club	Shenandoah Valley Chapter #137
Frederick Amateur Repeater Group	Vic Clark Chapter #91
Goddard Amateur Radio Club	Washington Chapter #23
Green Mountain Repeater Association	Rock Creek Amateur Radio Association
Hanover Area Hamming Association	St. Mary's County Amateur Radio Association
Historical Electronics Museum Amateur Radio Club	Shenandoah Valley Amateur Radio Club
IBM Amateur Radio Club	Southern Maryland Amateur Radio Club
Johns Hopkins University APL ARC	Southern Patuxent Amateur Radio Club
KB3BOI Repeater Group, Inc.	Stafford Amateur Radio Assn.
Kent Island Amateur Radio Club	Sterling Park Amateur Radio Club
Laurel Amateur Radio Club	Summit Amateur Radio Association
Leisure World Amateur Radio Club	Tri-County Amateur Radio Club
Loudoun Amateur Radio Group	T-MARC, Middle Atlantic Repeater Council
MD/DC MARS (Navy Marine) Association	Vienna Wireless Society
MADRAS	Voice of America Amateur Radio Club
Maryland Emergency Phone Net	Washington Adventist Amateur Radio Assn.
Maryland FM Association	Washington Area Young Ladies ARC
Maryland Mobileers Amateur Radio Club	Woodbridge Wireless, Inc.



Incorporated) has announced its affiliation with the United States based society called No-Code International. The alliance is on the basis of each organization having the same main objective. That being to get rid of mandatory Morse code testing in amateur radio, and doing so worldwide.

Leaders of both organizations believe that the closer relationship will lead to sharing of information for carrying out various international lobbying projects. ORACLE has been active since 1995 in influencing International Telecommunications Union member administrations to adopt its code free position. It claims successes in widely exposing what it terms as the flawed arguments about questionable internationally mandate practices in amateur radio rulemaking.

ORACLE and No-Code International both say that they have no problem with the actual use of Morse code by hams. This they say is a free choice for individuals. But both groups also believe that Morse testing is a license requirement that is, in their words, "objectionable."

ORACLE and No-Code International firmly believe that Morse testing is being used as a hazing ritual that hams are put through to gain to access High Frequency amateur bands. ORACLE and NCI say that this hazing has to come to an end. Both groups support considerable modernization of amateur radio rules, worldwide.

### **HUMAN EXPOSURE TO RADIO FREQUENCY ELECTROMAGNETIC FIELDS (Tnx ARN #1098 9/10/98)**

Do people living near high powered broadcast transmitters develop cancer at a higher rate than the rest of us? According one scientific report, cancer among residents of the Lookout Mountain area west of Denver Colorado was not higher statistically for the decade from 1985 to 1995 than would have been expected based on the ages and numbers of men and women who live there.

The report was commissioned by the Colorado Department of Public Health and Environment. It's

statistical analysis can be found at: [http://www.state.co.us/gov\\_dir/cdphe\\_dir/release/061698.html](http://www.state.co.us/gov_dir/cdphe_dir/release/061698.html).

### **FCC CORRECTS ITS RESTRUCTURING DOCKET (From ARN #1099, 9/4/98)**

In many cases, the text of WT Docket 98-143 did not match the appendices. In other cases the proposed rules change made no sense. Now the FCC has issued some corrections and classifications to the proposal.

The Errata was issued to conform the proposed rules to the proposals discussed in the text of the Notice. In some instances the NPRM included sections of rules that the agency did not propose to change. These have been deleted.

In Bulletin 65 ARRL called attention to two significant changes incorporated in the Errata: A major change from the original rulemaking proposal was to effectively reinstate the language in Section 97.505(a)(10) — the provisions for a physician's certification that an applicant is unable to pass a 13 or 20 WPM telegraphy examination. In the NPRM text, the FCC invited comment on this issue and on an earlier proposal, RM-9196. The ARRL had asked the FCC to require anyone applying for an exemption pursuant to a doctor's certification to first attempt the higher speed test before getting exam credit.

The Errata also clarify the Commission's intention to retain the current 365 day time limit for a Certificate of Successful Completion of Examination (CSCE) to remain valid.

### **AMATEUR RADIO HAS HIGH PROFILE AT ITU CONFERENCE (Fm ARRL Ltr v17 #37, 9/17/98).**

Amateur Radio will enjoy a high degree of visibility when the ITU Plenipotentiary Conference convenes next month in Minneapolis—even though ham radio frequency allocations are not on

*Continued next page*



the agenda. ARRL Technical Relations Manager Paul Rinaldo, W4RI, has been appointed to serve as a member of the US delegation to the international gathering, October 12 to November 6. ARRL International Affairs Vice President and International Amateur Radio Union Secretary Larry Price, W4RA, will attend under United Nations auspices. Price will serve as senior advisor on Emergency Telecommunications for the UN Office of Humanitarian Aid. The longtime former director of the ITU Radiocommunication Bureau, Richard Kirby, W0LCT, also will attend on behalf of Amateur Radio.

ARRL President Rod Stafford, W6ROD, and Executive Vice President David Sumner, K1ZZ, are expected to visit the conference but will not participate as delegates.

While Amateur Radio matters are not specifically slated for discussion at the conference, "there are items on the agenda that have the potential to affect us," said Price.

### **LEAGUE ASKS FCC TO HOLD THE LINE ON CONDUCTED EMISSIONS**

ARRL Bulletin 73 On September 17 announced that ARRL has asked the FCC to hold the line on current conducted emission limits below 30 MHz from unlicensed consumer electronic and industrial, scientific, and medical devices operating under Parts 15 and 18 of the Commission's rules. Interfering devices include such common household appliances as computers, TV sets, and microwave ovens. Conducted emissions result from RF voltages imposed on the a.c. power line, which can, in turn, act as an antenna. In general, the current conducted emission limit is 250 uV.

In comments filed in response to a Notice of Inquiry on conducted emission limits below 30 MHz in ET Docket 98-80, the League said the proliferation of Part 15 and 18 devices over the past decade as resulted in what it called "a marked increase in RF noise from conducted emissions generally." The ARRL said it "wholeheartedly agrees" with a tentative FCC conclusion that some

limitations continue to be necessary to control interference to licensed radio services in the HF range.

The League said that current Part 15 and 18 limitations are "not sufficient" to prevent interference to hams from conducted emissions. The League said it would be "most inappropriate" to consider relaxing the limits "unless and until the consumer electronics industry is provably able to properly respond to the interference problems." The League concluded that because most interference from Part 15 and 18 devices to licensed HF services results from conducted emissions, "it is especially important that the Commission retain what minimal protection exists from the present regulations."

The League has already called on the FCC to not relax line-conducted emission limitations at 2.4 GHz and has recommended a 300-meter distance limitation from residential areas if the FCC adopts the relaxed conducted and radiated emission limits it proposed in a separate proceeding (WT Docket 98-42). That proceeding focused on updating regulations for Part 18 RF lighting devices.

### **UNIVERSAL LICENSING SYSTEM**

According to ARRL Bulletin 74 on September 17, Amateurs can say good-bye to the familiar FCC Form 610 series. The FCC has adopted its long-proposed Universal Licensing System, which will replace the Forms 610 with a new Form 605, the Quick-Form Application for Authorization in the Ship, Aircraft, Amateur, Restricted and Commercial Operator, and General Mobile Radio Services. Applicants may continue to use the old forms for six months after the new rules go into effect, however. An effective date will be announced when the FCC issues the official Report and Order.

The FCC also adopted proposals to permit automatic reciprocal licensing of foreign hams wishing to operate in the US, pursuant to recent

*Continued next page*



international reciprocal operating agreements.

The FCC said the ULS will "fundamentally change" the way the Commission receives and processes wireless applications and makes licensee information available to the public. The rules adopted September 17 will—in the FCC's words—"consolidate, revise, and streamline" license application procedures for radio services under the Wireless Telecommunications Bureau. The FCC last November began initial collection of licensee data to populate the ULS. Using the ULS, applicants and licensees will be able to file, modify, and renew electronically. Access to the ULS is via <http://www.fcc.gov/wtb/uls/>.

When the FCC first aired its ULS plan, some licensees expressed concerns because ULS registration would require applicants to provide a Taxpayer Identification Number, typically a Social Security Number. In its public notice, the FCC assured that "all TIN information will be kept confidential."

The FCC's action consolidates 40 existing forms into four ULS application forms, including the new Form 605. Electronic filing in the ULS will not yet be mandatory for the Amateur Service. Hams will have the option of filing electronically or on paper. However, electronic filing via the ULS will be required for Volunteer Examiner Coordinators in the Amateur Service. Mandatory electronic filing requirements go into effect July 1, 1999 or six months after the use of ULS in a particular service— whichever is later.

An official Report and Order detailing the FCC's actions is expected to be released soon. The FCC's Public Notice is available on the FCC Web site at <http://www.fcc.gov/Bureaus/Wireless/NewsReleases/1998/nrw18040.html>.

### **AAA SAYS LMCC "BACKING OFF" 70 CM REQUEST (ARN #1100, 9/18/98)**

An official of the American Automobile Association says the Land Mobile

Communications Council is backing away from its request that the FCC reallocate the 420 to 430 MHz and 440 to 450 MHz bands. This, away from the federal government and over to the Private Mobile Radio Service.

The AAA's Gary Ruark says he doubts the FCC will ever agree to the request. This, in the face of strong support for continued Amateur Radio presence on the band.

In an August 31st letter to San Diego Section Emergency Coordinator David Doan, KC6YSO, Ruark, said that there is strong support for ham radio from several organizations. This includes the Association of Public Safety Communications Officials International and the National Telecommunications & Information Administration. Ruark says that this support has caused the LMCC to back off its demand to reallocate the 70 cm subbands. Because of this, Ruark says that it is doubtful that the FCC would ever agree to that portion of the LMCC petition addressing sharing with amateur radio operators. The AAA is an LMCC member. Amateur Radio has a secondary allocation in these bands.

### **NEW PAPER VANITY ADDRESS (ARN #1100, 9-18-98)**

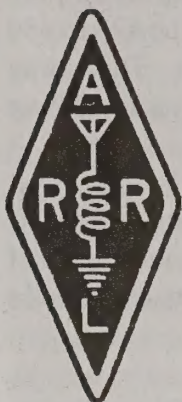
If you are filing for a vanity callsign, listen up. Effective September 14th, there's a new address at Mellon Bank for vanity callsign paper application filers only. Those are the people who submit a paper Form 610V and FCC Fee Remittance Form 159 and vanity fee using the US Postal Service. The new address is:

FCC Wireless Bureau Applications  
P. O. Box 358130  
Pittsburgh, Pennsylvania  
15251-5130

Remember, that address is only for those filing on a paper Form 610. The FCC says that Electronic Form 610V Vanity Callsign filers should continue to send Form 159 with the vanity fee to:

*Continued on page 42*





# American Radio Relay League Report

By John Swafford,  
W4HU

*The purpose of the ARRL Report is to provide the essential news of interest to active, organizationally minded radio amateurs faster than it can be disseminated by our official Journal QST. We strive to be fast, accurate and readable in our reporting. Material from the ARRL Report may be reproduced in whole or in part in any form including photo reproduction and electronic data banks, provided that credit is given to The ARRL Letter and The American Radio Relay League.*

## FLORIDA HAMS AWAIT GEORGES; CARIBBEAN RECOVERY BEGINS

Hurricane Georges spent the week wending his way through the Caribbean islands, leaving death and destruction in his wake. By week's end, hams in Southern Florida were ready along both Florida coasts to deal with the storm's anticipated effects. The likely track September 25 put the brunt of the storm over the Florida Keys. From there, forecasters believed, it could move on to trouble the Gulf Coast, the Florida Panhandle, and perhaps other Gulf states. Mobile home residents in the Broward County-Fort Lauderdale and Miami-Dade County areas were evacuated. As many as 1-million people in low-lying areas were urged to seek shelter on higher ground. Two hams were reported ready to stand their ground on Big Pine Key, despite the evacuation.

Southern Florida Assistant SEC Jim Goldsberry, KD4GR, scheduled morning and

evening sessions of the Southern Florida ARES Net on 3940 kHz. Arrangements were being made September 25 to possibly declare a communications emergency. Southern Florida Section Emergency Coordinator Manny Papandreas, W4SS, said SKYWARN nets were ready on both Florida coasts to track any tornadoes Georges might generate.

Since Georges arrived in the Caribbean, the Hurricane Watch Net has run continuously on 14.325 MHz to coordinate storm reports with W4EHW at the National Hurricane Center. Another net has been handling health and welfare traffic on 14.283 MHz. Hurricane Watch Net Manager Jerry Herman, N3BDW, says the net got good reports from Caribbean hams including Cuba's Arnie Coro, CO2KK. "Arnie, was passing radar data and observations that the Hurricane Center was not getting from official sources," he said. (Arnie Coro, CO2KK, also was interviewed by CBS Radio about the storm situation in Cuba.)

Oscar CO2OJ, said the storm took out power and telephone service in some provinces. "more than 200 hams worked with the Civil Defense authorities all around the island and played an important role in communications during the disaster," he said. Morales said he was gratified at the level of cooperation among hams in working together to exchange information on the storm. "I'm really proud of being a ham radio operator!" he said.

Hams in Puerto Rico are assisting in the aftermath of Hurricane Georges, which inflicted heavy damage in parts of the Commonwealth earlier this week, "Hams have made a difference here," reports Rafael Medina, NP3HA, in Guaynabo. Medina used a local UHF repeater to contact another ham with HF capabilities who, in turn, contacted Medina's relatives to inform them his family was okay. With widespread telephone outages, Medina says ham radio is being used to keep contact with the center of the island to gather information and needs from the counties there.

*Continued next page*



Medina said Civil Defense used hams to operate a VHF repeater to gather information from different regions of the island. Hams also were assisting police and medical services, he said. Medina said government agencies took advantage of communication capabilities provided by ham repeaters that have remained up.

Power was knocked out over much of Puerto Rico, and telephone service remained spotty at week's end. Water service also was disrupted over much of the island. ARES member Victor Madera, KP4PQ, said that during the storm, local hams made use of KP4ES at the National Weather Service. Hams also activated SKYWARN and ARES nets.

According to Internet reports, Hurricane Georges took out five ham radio towers at the QTH of well-known contesteer Pedro Piza, NP4A.

Tens of thousands of Caribbean residents took refuge in shelters. Even so, more than 200 deaths were reported throughout the Caribbean, many of them in the Dominican Republic and Haiti.

In the Netherlands Antilles, Don McGehee, PJ8DM, reported a 175 MPH wind gust on Saba when the storm passed over. Both Saba and St Eustatius were hit very hard by the hurricane, but there were no casualties. Power and telephone service are out over much of the Netherlands Antilles. "The only communication with the outside world is via radio," said Jacobo Oduber, P43P.

He said the Aruba ARES repeater was being used to maintain communication among St Maarten, Saba, and St Eustatius. Some damage was reported in the British Virgin Islands, but the US Virgin Islands reportedly suffered only minimal damage. Virgin Islands Section Manager John Ellis, NP2B, said power was knocked out, and long-distance phone service went down. "We passed about 100 messages to the states," he said. Phone service to St. Thomas, St. Croix, and St. John was fully restored by week's end, but phone circuits remained busy.

Virginia ARES was activated to provide communication support for American Red Cross Headquarters near Washington, DC. As part of the callup, hams monitored various emergency nets and reported relevant information through Virginia ARES to the Red Cross. The Red Cross used the information to plan its disaster response.

The Red Cross lifted its normal 48-hour moratorium on health-and-welfare inquiries for immediate family only on Puerto Rico, St Thomas/St John, and St Croix on September 24. Inquiries must be submitted on ARC Form 2079 (rev. 8/95). Forms should be faxed to 800-783-7060

### **SWEEPSTAKES BAND CHANGE RULE WON'T BE ENFORCED THIS YEAR**

The ARRL Contest Department will not enforce a new general band-change rule for the 1998 ARRL November Sweepstakes because of what it called "widespread confusion" within the contesting community. The General Rules for All ARRL Contests, published in the December 1997 QST, limit multioperator Sweepstakes entrants to no more than six band changes per hour, a change from previous years.

As defined by Sweepstakes rules, even some solo operators must enter in the multiop category. "If you use packet, you go immediately to multiop class," said ARRL Membership Services Manager Bill Kennamer, K5FUV. The Sweepstakes rules only allow one transmitted signal at any given time.

While the General Rules were included by reference in the 1998 November Sweepstakes Rules in the October 1998 QST, the announcement did not emphasize the change. As a result, Kennamer says the League will not enforce the six-band-changes-per-hour rule this year.

Because of the change in the way the rules are published, and because we feel that all participants may not have been fully informed about the differences between the multioperator category of

*Continued next page*



the past and the current rule, for this year only, the band change limitation will not be enforced," Kennamer said. But, he added, "unless something changes, we'll enforce it next year."

Single ops who do not use packet spotting networks in their quest for a clean sweep will not be affected by the rules change, Kennamer said.

For further information contact Bill Kennamer, K5FUV, e-mail [bkennamer@arrl.org](mailto:bkennamer@arrl.org).

## **NEW ARRL SITE PROVIDES YOUTH WITH A PLACE TO MEET**

A new page on ARRL Web aims to take advantage of youth interests in computers and the Internet to offer younger hams a place to get together online to arrange on-the-air schedules. Amateur Radio youth groups can just visit the Youth Skeds Database at: <http://www.arrl.org/ead/youthskeds/> and make skeds with other schools or young people's groups. The ARRL Educational Activities Department credits Phil Downes, N1IFP, for coming up with the idea. Regardless of age, grade level, school or group affiliation, youngsters worldwide can register at this site. This adds them to the list of groups wishing to get acquainted with others via Amateur Radio.

"The purpose of this particular ARRL Web page is to answer a growing need, thanks to the wide Amateur Radio interest on the Internet," said ARRL Educational Activities Correspondent Dan Miller, K3UFG. "This is a meeting place for youth groups wishing to interact, and contact each other via Amateur Radio. This can be schools at any level, or scouts, or CAP, or any youth auxiliary club."

At the Youth Skeds home page, entering a state (without entering a city) makes it possible to scan a statewide list of groups who have registered. Or you can pinpoint an area by entering a city and state.

This is a brand new service of the ARRL and

is available to all Amateur Radio youth groups, whether they are affiliated with the ARRL or not," Miller said. "Of course, becoming affiliated would provide additional benefits, but the decision is theirs."

Miller says he'll be happy to provide additional information. Call him at 860-594-0340; e-mail [dmiller@arrl.org](mailto:dmiller@arrl.org).

## **SOLAR UPDATE**

Solar savant Tad Cook, K7VVV, in Seattle, Washington, reports: Solar activity was up somewhat over the past week. Average sunspot numbers increased by almost 27 points, but solar flux was up by just under three points. The geomagnetic field was quite a bit more active this week compared to last due to solar flares and coronal holes. The day with the most geomagnetic activity last week was September 18, when the planetary A index was 20 and the K index went as high as 6.

Solar flux is expected to peak around September 29 and 30 at 165, then drop to 150 by October 3, and bottom out around 120 from October 12-14.

This solar cycle is continuing its upward climb. A nice graph which shows the general trend over the past year can be seen at the Northwest Research Associates site at: <http://www.nwra.com/nwra/spawx/f10.html>.

## **IN BRIEF:**

**QST Cover Plaque Award:** The August QST Cover Plaque Award went to Wes Hayward, W7ZOI, and Terry White, K7TAU, for their article "A Spectrum Analyzer for the Radio Amateur." Congratulations Wes and Terry!

Mir packet frequency MIREX reports the packet system frequency for Mir's PMS system is again 145.985 MHz. Until September 2, the crew had been using 145.940 MHz.





## DX DX DX

By John Kanode,  
N4MM

### DX OPERATING ACHIEVEMENT AWARDS

In addition to the ARRL's DXCC Program, there are many other DX operating achievement awards offered by many IARU Societies and clubs. Some have asked the question, where can info be found on these awards? There are many sources of info available for these awards.

The first choice is the ARRL's OPERATING MANUAL. It has a whole chapter on operating achievement awards. It has 60 pages, with color pictures of many DX awards. In addition, this book has many other chapters on DXing, Contesting, Allocations and other topics related to on the air operating. It is available from ARRL or most amateur supply dealers.

Ted Melinosky, K1BV publishes a very good Directory of Awards. It is devoted entirely to operating awards and lists many that you will not find anywhere else. Ted also writes the Awards column for CQ Magazine and he lists many new awards there. The DX Magazine published by Carl Smith, N4AA has a column written by Jim Mackey, K3FN that features listings and photos of many new awards. The ARRL Operating Manual lists awards that have been around for many years, whereas the columns in CQ and The DX Magazine tend to list new additions and awards that are only available for short periods of time.

There are many operating awards available and they range from some that are ridiculously easy to get to some that are almost impossible to achieve. Some only seek those issued by IARU Societies, some only go after the CQ Magazine's awards. Others go after any award that they achieve. With the sunspots returning and conditions improving each month, now is the time to consider going after

some of these challenging awards. One does not have to have a super big gun station to achieve most operating awards. All it takes is determination and focus.

### UPCOMING DX CONTESTS

Ukrainian DX Contest	Nov. 7-9
WAE RTTY Contest	Nov. 14-15
OK/OM DX Contest	Nov. 14-15
CQ WW CW DX Contest	Nov. 28-29

### TIDBITS

Zoli, HA5PP has been working with the PTT officials in Yemen in order to get Amateur Radio approved again.

Special event callsign, XV300S will be used until the end of 1998 to commemorate the 300th anniversary of the city of Saigon. QSLs for this operation will be handled by Steve, K2WE. He also handles QSLs for 3W6KA and 3W6LI

Herman, DJ2BW plans to operate as D68BW from October 25 until November 7. QSL via DJ2BW.

The 50th International DX Convention, aka Visalia, will be hosted by the Northern California DX Club and will be held in Fresno on April 9-11, 1999. A registration form is available at <http://www.amateur-radio.com/ncdxc.htm>.

Dominik, DL5EBE has been operating from Mount Athos, SV2ASP/A. He has been reported on 160, 30, 17 and 12 meters. It is not known how long he will be there. All QSLs go to the address in Mount Athos.

Princess Sirindhorn is now licensed as HS1D. She is the third in line to the Thai throne, after King Bhumipol, HS1A and the Crown Prince. K1EFI is the QSL manager for the following VP(stations): VP9HK, VP9ID, VP9KG, VP9KK, VP9KR, VP9LR and K1EFI/VP9. His address is 3421 Buttonwood Court, Reisterstown, MD 21136-4401.



# FAR Meeting Minutes

August 12, 1998  
Takoma Park, MD



\* FAR President, Chuck Sommer (N4OSD) called the meeting to order at 8:00 p.m. at Lee Center in Alexandria Virginia.

\* The attendees introduced themselves, There were 22 trustees and 1 guest in attendance representing 22 member organizations. They were:

Dan Blasberg KA8YPY LARC/GMRA  
Jeanne Rexroad N4ZGI NCAC/MVFMA  
Mary Morris N4TCI MVFMA  
Tony Young WA3YLO Anne Arundel Radio Club  
Paul M. Tackish KA3GRW Charles County ARC  
Page Pyne WA3EOP Antietam RA/Cheese Hollow  
Wayne Koehler KE4PMS SVARC  
Don Kirby KR3A Calvert County ARC  
John Swafford W4HU QCWA/DOSARC  
Tim Titus N3ZXQ CARA  
Bill Kamm KC4VXH Virginia Wireless Society  
Chuck Sommer N4OSD PG Races/Ares  
Al Brown KZ3AB Antietam RA, MEPN  
Tim Dugan KA3YYP MD/DC Mars Association  
Hugh Katz KB3TB Voice of America ARC  
George Saunders KR4MU Arlington Radio Club  
Mike Holland N3HGU Federal City React ARC  
Lenny Schachter N3RPQ NCAC/MADRAS  
Ron McCall K3OSX NCDXA  
Dick Maylott W2YE NCDXA/Sterling Park ARC  
Charles Johnson N3HFO AARC  
Alan Bosch KD4FRK Vienna Wireless  
Ruth Phillips K3AGR NRLARC/Metrovision  
Pat Kilroy WD8LAQ Guest/SIMSAT

\* Secretary's Report - The August minutes were approved with two changes: Page Pyne's name was corrected the date of the next meeting will be added to the minutes.

\* Charles Johnson (N3HFO) gave the treasurer's report and was approved.

\* Auto-Call - There were 90 expiration notices were sent out. Tony Young (WA3YLO) asked that if there are any problems with articles or anything else relating to Auto-Call, to please contact him.

\* Survivor's Assistance - Tony Young (WA3YLO) reported that he has quite a few items that will be for sale at the FARfest.

\* Scholarship Committee - Hugh Turnbull (W3ABC) was absent, so there was no report.

\* ARRL Report — Hugh Turnbull (W3ABC) was absent, so there was no report.

\* FARFest — Tony Young (WA3YLO) is still looking for volunteers to help at the gates. The door prizes are set and ready, and the Icom funmobile will be present at the FARfest.

## Old Business

Pat Kilroy (WD3LAQ) made a second to the FAR trustees in attendance for support of the SimSat project. In short, this project is a series of high-altitude balloon flights with experiments for local schools, NASA has provided Pat with a \$3000 grant from their education fund. Pat's proposal is for financial support from FAR for equipment to provide a crossband repeater for amateur use on the flights, in the amount of approx. \$1000. The funds would go toward the purchase of two(2) Kenwood TH-79A handheld transceivers, one(1) BT-9 alkaline case, and one(1) PB-33 high-capacity NiCad battery. It was decided that the first of two votes would be taken at the next FAR trustees meeting. Pat encouraged all trustees to check out his web page for more information at, (<http://garc.gsfc.nasa.gov/~simsat>).

There was a motion to postpone the first of two votes on the proposal until after the first engineering flight has been completed and the

*Continued next page*



results collected. The motion was approved with 2 dissenting votes.

### **New Business**

The Culpeper ARC requested to be taken off of the active roster. Richard Maylott (W2YE) was elected to replace Henry Herman (W3VJ) as FAR representative for NCDXA.

### **Announcements:**

\* The Marine Corp Marathon will be held on 25 Oct. If you would like to help out, contact the NCAC at NCAC@USA.NET or call a voice mail message at 703-359-3414.

\* Washington, DC will be holding a mass casualty exercise on Sept 22, 1998 from 1000 - 1400. The exercise will be centered around the premise of a bomb of mass destruction/contamination and survivors make it to the outlying areas. NCAC and the associated organizations are looking for all available hams.

\* Fairfax Hospital is looking for approximately 60 amateur operators to provide communication on Friday night September 11th while the hospital changes its telecommunications system. Contact

Jeff McWart at mcwartj@erols.com or 703-330-7429.

\*VA State conference will be held September 19-20 at the Virginia Beach Hamfest.

\*Columbia Hamfest is October 4, 1998.

\*FARfest is 13 September 13, 1998.

\*NCAC will be holding another of its well prepared training seminars in December at the Montgomery County EOC. A schedule of classes is TBA.

\*Vienna Wireless reported that they have concluded a class and have four new hams, Congratulations go out to them.

\*Federal City React ARC has 4 new hams as well and would like to add that Auto-Call and other Amateur publications contributed to their success.

\* A motion to adjourn was entertained and passed at 9:10 PM.

\* The next meeting will be held at Columbia Union College in Takoma Park, MD on Wednesday, October 14, 1998. See Auto-Call magazine for directions.

Respectfully submitted,  
Daniel C. Blasberg Jr.  
KA8YPY

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## **MARS REPORT**

By Vinny Del Giudice WB2KQG/AFA2MI

**David Platky, AAA3MD/KA3SPS,  
Silent Key**

The MARS family mourns the loss of L. David Platky, AAA3MD/KA3SPS, state director for Maryland Army MARS. David died Sept. 28 after suffering a brain tumor. His leadership and friendship will be missed. Al Abercrombie, AAR3KI/AAM3MD/W2GJS, the deputy state director for Maryland Army MARS has assumed the position of acting state MARS director.

**Virginia USAF MARS public affairs officer**

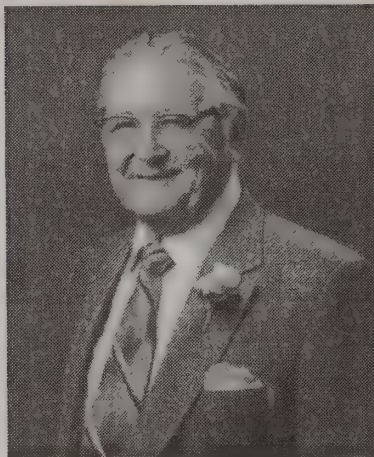
November 1998 marks the 50th anniversary of

Air Force MARS. The service was born Nov. 26, 1948, when the Army Amateur Radio System was reorganized by the Army and Air Force as the Military Amateur Radio System, later renamed the Military Affiliate Radio System. Today Air Force MARS is about 2,000 strong, with headquarters at Scott Air Force Base, Illinois. Navy-Marine Corps MARS was launched in 1962.

Army, Air Force and Navy-Marine Corps MARS affiliates have been busy this hurricane season providing contingency communications for the Defense Department and its office of military support. MARS voice and digital nets have been on-the-air around the clock during the season.



## Memorial to Allen B. "Brownie" Brown, father of E. Allen Brown - KZ3AB - FAR Executive Vice President and FARFest Chairman.



On September 12 while I was helping to set up the last FARFest to be held at the Montgomery County Fairgrounds in Gaithersburg, MD, my father, Allen B. "Brownie" Brown passed away.

He was not a ham. But he was the father of a ham...me.

My father's main interest in life was to work hard in order to provide security for his family, to ensure that his children knew how to enjoy nature and the environment through hunting, fishing, etc., and to let his children decide for themselves how they could best serve society.

He died at age 81 from complications due to colon-rectal cancer which had been diagnosed and treated ten years earlier. He donated his body to medical research in hopes that it would help a young medical student.

My dad was a self employed trucker and worked for the Western Maryland Railroad (WMRR).

As a WMRR railroader, he was an electro-diesel engine fireman and had served as a brakeman and conductor when he retired.

When I was a youngster, he taught me all about mechanical things like how four-cycle and two-cycle gasoline engines work as well as diesel engines, gears and gear ratios, and transmissions.

He taught me about carpentry and how to weld metal.

He also made arrangements with the railroad engineers to let me ride on the big WMRR electro-diesel engines and the engineers taught me how to adjust the engine controls and sound the air-horns.

My dad used to take me small game hunting and taught me all about the safe use of firearms. He seemed to be able to hit every pheasant or rabbit that jumped. I, on the other hand, couldn't hit anything. But, eventually he taught me how to shoot with consistent accuracy. He also taught me how to fish with the same determination.

I remember one afternoon in particular when we were fishing in the Potomac River below Dam No.4 and had caught more than 100 sunfish and small-mouth bass. I, stupidly, waded into the rushing water below the dam, lost my footing and started to drown. My dad ran downstream in the waist deep water and finally grabbed the collar of my shirt and pulled me to shore.

If he had been unsuccessful, I would surely not be here today.

During weekends, he had to maintain his trucks. As a youngster, I would "help" him to change the oil and filters, lube the chassis and steering, check the transmissions, replace brake shoes and make other mechanical repairs.

*Continued next page*



But, my dad also looked to the future. He encouraged me to be more than a railroader or truck driver. He wanted me to study, go to college and become a civil engineer.

But, late in the evenings, I could be found "fooling around with the radio."

No matter how many radios I destroyed, or how many -ugly- wire antennas I strung up, or how many electrical fires I almost caused, my dad always forgave me and encouraged me.

I never became the civil engineer he wanted. Instead, I became a Radio Broadcast Engineer and, eventually, traveled all over the world with Presidents Ford, Carter and Reagan. Later, I switched fields to computers and became the Chief of Network Operations for the US International Broadcasting Bureau, the "Voice of America." I arranged for him and my mother to receive birthday, anniversary and Christmas cards from the

Presidents, which made him very proud.

One of my dad's last wishes in life was to have memorial donations made to the American Diabetes Association or the American Cancer Society in lieu of flowers.

He had been an insulin dependent diabetic since 1960. He was treated for colon-rectal cancer in 1987 and skin cancer earlier this year.

I consider any success in my life to be a legacy to him, his guidance, encouragement and love.

Thank you, dad. I never became the civil engineer like you wanted. But, we did good, huh? You are sorely missed!

Rest in peace!

Your son,  
Allen

## ANNE ARUNDEL RADIO CLUB TWO METER CHILDRENS NET

The Anne Arundel Radio Club (AARC) is sponsoring a Children's Net on the 1st and 3rd Saturdays of the month at 7 PM local time on the 147.105+ Davidsonville, Maryland repeater.

The purpose of the net is to give youth an opportunity to experience and learn about amateur radio through participation and develop new interests within our communities. Each net will have a theme question to start the net discussion and get things going.

Grandparents, Aunts, Uncles, Moms and Dads, this is a time to give your children and neighborhood friends' children some air time and meet other kids on the air. All licensed hams who can reach the AARC repeater are encouraged to check in with or without a child and participate in the discussion. On April 4th, 1998 we had our first net and it was a great time. Children of all ages joined in. It was a great time!

We also need licensed AARC operators for net control operators. Please contact Doug Ellmore/N3XQP via the Internet at [n3xqp@amsat.org](mailto:n3xqp@amsat.org) or via the AARC 147.105+ repeater during the daily commute for more information.

TNX, 73 Doug/NA1DX - via e-mail: [NA1DX@amsat.org](mailto:NA1DX@amsat.org).



# Foundation For Amateur Radio

## 1998 Scholarship Award Winners



*The Foundation for Amateur Radio is pleased to announce the winners of sixty-seven scholarships awarded for 1998. There were winners from twenty-three states. Fifteen of the scholarships were funded directly by the Foundation for Amateur Radio or by its member clubs and grants. Other scholarships were funded by various organizations or individuals and administered by the Foundation without cost.*

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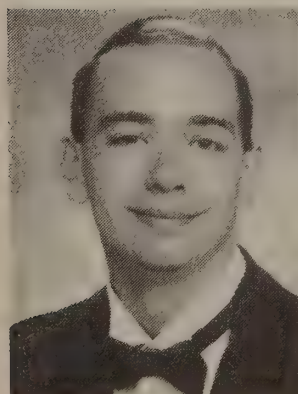
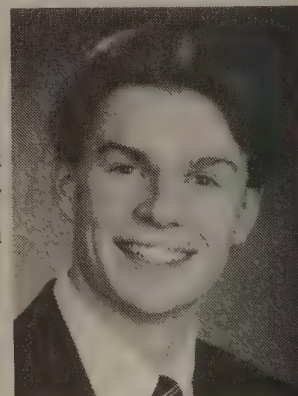


**Christie L. Berger, NØYVV - House Springs, MO**  
**QCWA Ralph Hasslinger Charter Member Memorial - \$1000**

Christie will be attending Southwest Missouri State University pursuing a double major in music education and flute performance. She comes from an all Ham family and was first licensed in 1993 during the Mississippi floods. She has volunteered for a variety of Amateur Radio and extra-curricular activities. She received a Service Award for her services with the communications team of the US Olympic Festival.

**David P. Swaney, N3KCS - Mifflinburg, PA**  
**QCWA-Max Jacobson-John Kelleher Family Scholarship - \$1000**

David will be a Junior at Penn State University where he is majoring in Industrial Engineering. He holds a Technician Class license and maintains weekly schedules from his dormitory room with his family. He remains active as an Assistant Den Leader for the Boy Scouts.



**Adam K. Lassiter, KB8UUE - Bunker Hill, WV**  
**QCWA Leo Meyerson Family - Living Scholarship - \$800**

Adam became interested in Amateur Radio when his eighth grade reading teacher demonstrated HF equipment in the class room. The following summer he obtained his Technician License and joined the Shenandoah Valley Amateur Radio Club. Two of his operating interests are Skywarn and helping with JOTA. He feels that Ham Radio has helped him enhance his interest in electronics and elect to major in Computers and Information Science at Shepherd College. He believes that in choosing this hobby, he has gained knowledge, experience, made many friends and improved his communication skills.





**Matthew P. Robbins, N8UGD - Kalamazoo, MI**  
**QCWA Donald & Phyllis Doughty Family Scholarship - \$600**

Matthew comes from an all-ham family and plans to major in Architecture at the University of Michigan. He holds an Extra Class license and besides enjoying 2 meter operation, likes to chase DX on HF. In high school he was on the academic honor roll for all four years. He enjoys the design and building of residential homes and hopes to combine his knowledge of construction with architecture for a professional career.

**Ramona M. Gonzales, KD6GHK - Fresno, CA**  
**QCWA Edwin Woodruff (W3SX) Memorial Scholarship - \$600**

Ramona is currently attending California State University in Fresno where she is in the Masters Program for Counseling with an option for a Pupil Personal Services Credential. She received her Bachelors Degree in Child Development at Fresno State and has been involved in the Fresno County RACES program for the past five years. She comes from an all-Ham family and enjoys being a volunteer in her community.

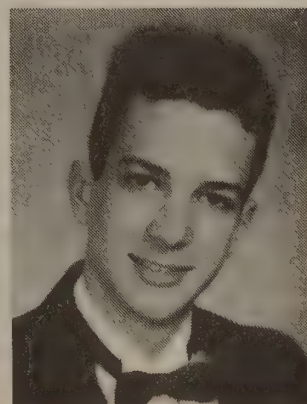


**Beth A. Harris, KJ7FC - Cheyenne, WY**  
**QCWA Travis Baird( W9VQD) Memorial Scholarship - \$500**

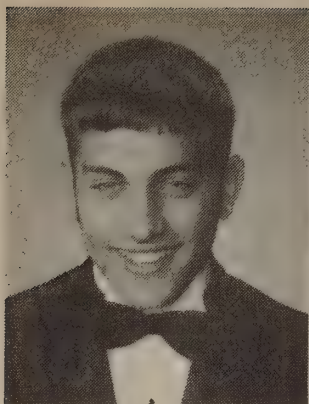
Beth was in the upper 5% of her high school class and was highly recommended by her references. She plans to major in Mathematics at the University of Wyoming. She was active in two radio clubs and participated in several public service events. Eventually she would like to work as a Meteorologist or in a Space Environmental Laboratory.

**Thomas A. Brunet, KD4LMH - Round Rock, TX**  
**QCWA Memorial Scholarship - \$800**

Thomas was first licensed in 1992 at the age of 12 and enjoys various facets of Amateur Radio including satellite communication, Field Day, contesting and computers. He was a National Merit Scholar and the Associate Editor of his high school yearbook. He will be majoring in Computer Science at the University of Texas in Austin.





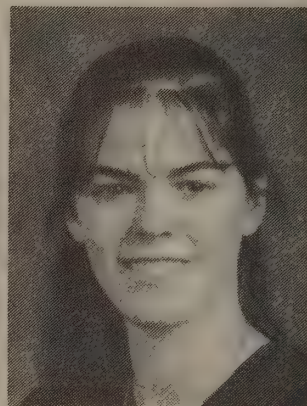


**James E. Catalano, KC4SZT - Woodbridge, VA**  
**QCWA Memorial Scholarship - \$800**

James was first licensed in 1990 as a Novice at the age of 10 and a member of the Woodbridge Wireless Club participating in its numerous public service events. Throughout high school he was a member of the marching band and completed several amateur radio related science projects. He operates on two meters and uses his father's HF gear. He plans to pursue courses in business and marketing at West Virginia University.

**Victoria L. Crawford, N4XDR - Virginia Beach, VA**  
**QCWA Memorial Scholarship - \$800**

Victoria is in her second year of pharmacy school at Campbell University in Buies Creek, NC where she is working on her Doctor of Pharmacy. She holds a Technician Plus License and operates primarily on 2-meters. She particularly enjoys participating in Field Day and ARES events. She comes from an all-Ham family and is a member of the Virginia Beach ARC and the Girl Scouts.



**Carolyn M. Creel, N3UXZ - Silver Spring, MD**  
**QCWA Memorial Scholarship - \$800**

Carolyn will be beginning her sophomore year at the University of Maryland-College Park where she is majoring in Criminal Justice. She holds a Technician Class license and was the recipient last year of an FAR Silent Key Memorial Scholarship. Since becoming licensed in 1995, Amateur Radio has become an important part of her life in an all-ham family. She is a member of the Laurel Amateur Radio Club and provides a large share of the administrative support needed for their successful Volunteer Examination program.

**Sarah R. Dalton, NØMAS - Lexington, MO**  
**QCWA Memorial Scholarship - \$800**

Sarah will be starting her Junior year at Freed-Hardeman University in Henderson, TN majoring in Math with minors in Music and Bible. Her father, mother and three younger brothers are all licensed radio amateurs. She holds an Advanced Class license and hopes to qualify for her Extra by the time she graduates in the year 2000. She enjoys playing the flute and has participated in numerous musical competitions.





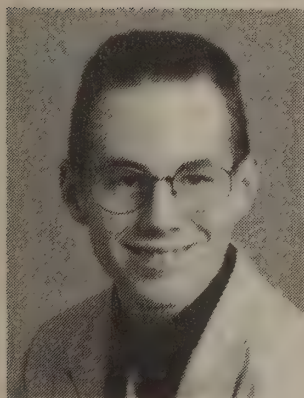


**Christopher T. Duncan, AD4G - Asheville, NC**  
**QCWA Memorial Scholarship - \$800**

Chris holds an Extra Class license and enjoys HF contesting, chasing DX and collecting 10-10 numbers. He will be starting his freshman year at Erskine College in Due West, NC where he plans to pursue the pre-med course. His ambition is to become a medical doctor and practice sports medicine.

**Jason C. Haren, KB8NOH - North Canton, OH**  
**QCWA Memorial Scholarship - \$800**

Jason will be a sophomore at Kent State University majoring in Biology. He hopes to work in wildlife management and conservation. His feeling that Amateur Radio has done a lot for him can be found in a single sentence from his resume. "It has allowed me to share a lot of fun times with my father, a chance to learn about basic electronics all of which permitted me to build my own QRP rig learn Morse Code and meet a lot of wonderful people."

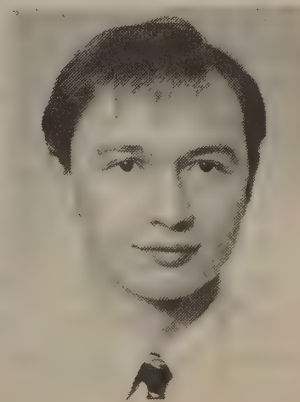


**Jason E. Jensen, KC7UDB - Longview, WA**  
**QCWA Memorial Scholarship - \$800**

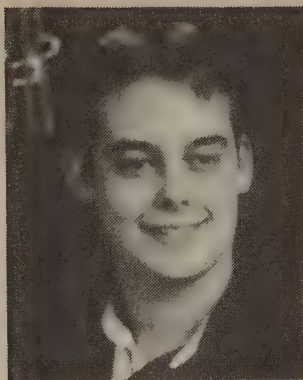
Jason, his brother and a friend visited a meeting of the Lower Columbia Radio Club and joined its training class. All three obtained their Technician Plus licenses and joined the Club. A year later he encouraged his father to become licensed by taking the club-sponsored training class. Part of his high school graduation requirement was the completion of a project. Building a two meter radio not only met this requirement, but also encouraged his further interest in Electronics. This fall will see him majoring in Electronics at Lower Columbia College. His minor will be sign language to help improve the life experiences of the hearing impaired.

**Arkadiusz Mistal, SQ8AQY - Gdansk, Poland**  
**QCWA Memorial Scholarship - \$800**

His interest in becoming a ham was inspired by his parents listening to short wave broadcasts from America. Last year he visited his uncle in the United States who works for the Voice of America. It did not take long to meet the members of the VOA Radio Club and operate K3VOA with the necessary supervision. His other hobbies are American literature and improving his proficiency in English and German. He is working on what he believes to be the only Irish-Polish dictionary.





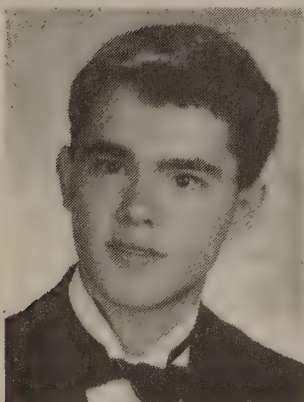
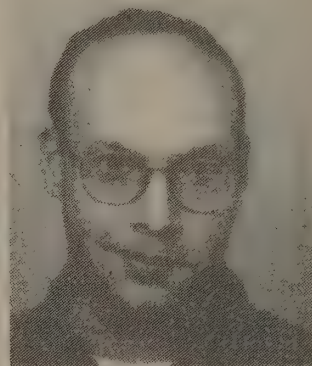


**Jason Pelaez, N8NDQ - Huber Hts. OH**  
**QCWA Memorial Scholarship - \$800**

Because Jason's father is in the Air Force, he has had the opportunity to attend high schools in several parts of the country wherever his father was stationed. With the help of his father, he learned about the hobby and soon qualified for a Technician Plus license. He enjoys operating on two meters and being involved in numerous extra-curricular and community activities. His favorite school subjects are Latin, Physics and Chemistry. He plans to attend Wright State University majoring in BioMedical Engineering.

**Andrew Webb, VE3UIY - Carp, Ontario**  
**QCWA Memorial Scholarship - \$800**

Andrew has the honor of being the recipient of the first award given to a resident of Canada. Licensed since he was 16, he has learned a great deal about radio and satellite communications during his three years of summer employment at the Canadian Government Communications Research Centre at Ottawa. He was involved in the January 1998 ice-storm that devastated Eastern Ontario and Western Quebec. He will be in his final year at Carleton University- Ottawa where he is a Geology major.

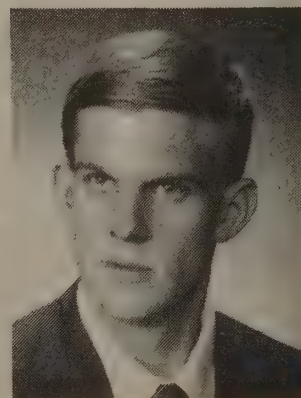


**Hernan G. Hidalgo, N3OKP - Silver Spring, MD**  
**FAR Silent Key Memorial Scholarship - \$1000**

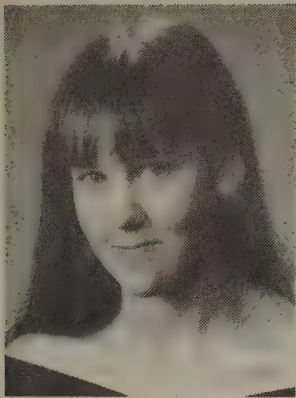
Hernan has completed two years at Montgomery College and will spend the summer semester at the University of Austral in Valdivia, Chile. This will provide an opportunity to visit relatives he has never seen and learn more about his heritage. He was one of last year's winners and holds a General Class license.

**Jeffrey K. Meunier, KE4PDQ - Great Falls, VA**  
**FAR Silent Key Memorial Scholarship - \$1000**

Jeffrey will be starting his freshman at George Mason University in Fairfax, VA where he will be majoring in Computer Engineering. His interest in Amateur Radio goes back to qualifying for three Boy Scout merit badges for Radio, Computers and Electronics. He is a member of his school's Jazz Band, computer clubs and is the student network administrator. In addition his resume shows numerous extra-curricular and community activities.





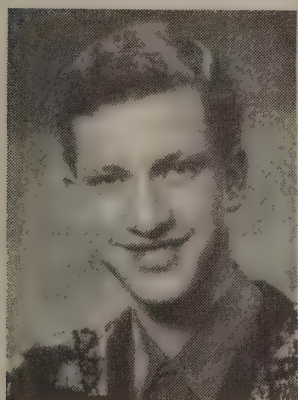


**Cynthia A. Mann, KA3ZNQ - Severna Park, MD**  
**FAR Silent Key Memorial Scholarship - \$1000**

Cynthia will be a sophomore majoring in English at Wake Forest University. She started out as a Novice and now holds a Technician Plus license. She is a member of the Maryland Mobileers Amateur Radio Club and has participated in many of their public service activities. She has served as an Assistant Section Manager for the Maryland -DC Section in charge of Youth Activities.

**Zachary D. Sadecki, KB7FUV - Ashton, ID**  
**Radio Club of America Scholarship**  
**From the Richard Somers Fund - \$1000**

Zachary's interest in amateur radio was inspired at an early age by his father such that three years after passing his Novice test he upgraded to Advanced Class. This interest continued to grow and developed into a desire to pursue a career in Electrical Engineering. In the year 2000 he hopes to complete a double major in EE and Computer Science at the University of Missouri-Rolla. He continues to be active mainly on VHF and recently his 350-grid endorsement for 6M VUCC.



**Scott A. Zastoupil, KBØKFX - Williston, ND**  
**Radio Club of America Scholarship-**  
**From the Poppele Fund - \$750**

Scott will be a junior at North Dakota State University majoring in Electrical Engineering. He holds an Extra Class license and recently became a Volunteer Examiner. He mostly operates on HF phone and the local repeaters. His other hobbies include fishing, Internet and golfing. He was a previous winner of QCWA and Radio Club of America scholarships.

**John M. Steenis, KI7LX - Phoenix, AZ**  
**Radio Club of America Scholarship**  
**From the J. Alan Biggs Fund - \$750**

John holds an Extra Class license and has participated in many facets of Amateur Radio. As a result of these activities, he has gained invaluable experience, made many friendships and introduced many people to the hobby. He holds an Extra Class license and is an Electrical Engineering major at Purdue.







**Kyle Britain, KB5UBE - Grand Prairie, TX**  
**Radio Club of America Scholarship**  
**In Memory of Stuart Meyer( W2GHK) - \$750**

Kyle will be an Engineering freshman at the University of Texas- Arlington. His main amateur radio activities are attending conferences and operating in VHF/UHF contests where he has placed in rover and multi-op categories.

**David C. Sansone, KB2WEV - Webster, NY**  
**Radio Club of America Scholarship**  
**From the Leo Meyerson Fund - \$750**

David will be a Computer Science major at the State University of New York in Brockport. He holds a General Class license and enjoys amateur radio participation in public service events. He is a member of several clubs in the Rochester (NY) area.



**Michelle R. Sciarini, KB8ILX - Dover, OH**  
**10-10 International Net Scholarship - \$1000**

Michelle was one of last year's winners and reports a very successful and enjoyable freshman year at the University of Akron. She is studying for a BS in Mathematics with secondary education teaching certification. She comes from an all-ham family and both her mother and father are licensed and active in the Volunteer Examining program

**April Rodgers, N3PPU - Butler, PA**  
**10-10 International Net Scholarship - \$1000**

April is a graduate student studying for her Doctorate in Optometry. She graduated cum laude from the University of Pittsburgh with a BS degree in Microbiology. Her other hobbies include playing piano, singing, ceramics, photography and reading.





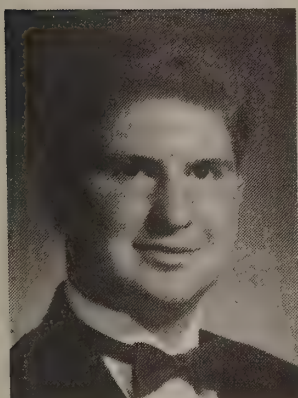
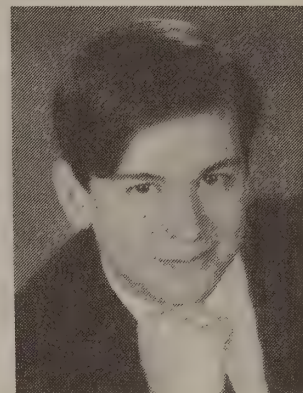


**Michelle G. Pettus, KC4FBE - Lineville, AL**  
**10-10 International Net Scholarship - \$1000**

Michelle will be a junior at Auburn University in Alabama where she is majoring in sports management/health and performance with future plans for a masters degree in physical therapy. She is an Auburn Tigergette in which she serves as a public relation/recruiting representative for the Auburn Athletic Department. She encourages young people to become interested in Amateur Radio and especially promotes the benefits of communicating internationally on 10 meters.

**John Cowden, KD5DCP - Benton AR**  
**10-10 International Net Scholarship - \$1000**

John has completed one year with a 4.0 average at Centenary College in Shreveport, LA where he is a Music major. Both his mother and step-father are licensed and provided the incentive for him to become licensed. Last year he was the winner of one of the other FAR administered awards.

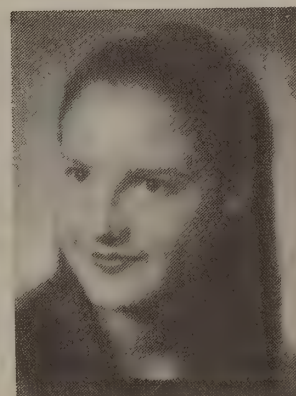


**James L. Behnke, K2VER - Highland Lakes, NJ**  
**Richard G. Chichester Memorial Scholarship - \$1000**  
**Sponsored by Patricia and Jack (W9AMF) Chichester**

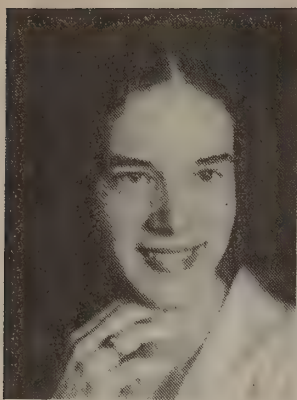
James is an Extra Class operator and has been involved in Amateur Radio for the past 4 years. He has served as a net control operator for his local RACES radio club and a participant in their Field Day efforts. He is scheduled to attend the Stevens Institute of Technology pursuing the course in Electrical Engineering. He has attained the rank of Eagle Scout and has served as the drum major in his high school band.

**Sarah L. Kozup, KB8RHG - Warren, OH**  
**Young Ladies' Radio League Scholarship - \$1500**

With her father as her Elmer, Sarah advanced from Novice to General in a very short time. Her main interest is CW traffic handling on 80 meters. She is a member of YLRL, the Buckeye Belles, and the Warren Amateur Radio Association. While in High School, she was in the top ten per-cent of her class. She played varsity soccer, ran cross country, was a member of the National Honor Society and played in the school band. This fall she will be a freshman at Ohio University majoring in Biology with tentative plans to go on to Graduate School.







**Colleen M. Traughber, KBØPWW - Laurel, MD**  
**Columbia Amateur Radio Association Scholarship - \$1000**

Colleen's dream is to become a pediatrician and this fall will see her majoring in Chemistry at Carleton College. She is a member of the Laurel Radio Club and has been very active in the club's public service events. She was the first Laurel High School student to attain a 5.0 average during her senior year. The 5.0 scale was created to recognize the extra effort require of those students taking course work in the International Baccalaureate program.

**Nicholas P. Schaub, KE3HV - Baltimore, MD**  
**Baltimore Amateur Radio Club Scholarship - \$1000**

Nicholas will be starting his senior year at the University of Maryland at College Park where he is majoring in physiology and neurobiology. He plans to attend medical school specializing in neurology and orthopedics. At Maryland, he plans to volunteer at the University Health Center, play intramural basketball and assist with the teaching of an introductory biology course.



**Franklin L. Wright, N3OQB - Silver Spring, MD**  
**Baltimore Amateur Radio Club Scholarship - \$1000**

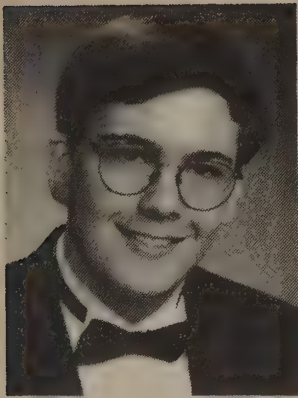
Franklin has finished his second year as a biochemistry major at Harvard University. In his free time he works in a molecular biology laboratory at the Harvard Medical School and serves as a director of a student-run homeless shelter in Cambridge. He is scheduled to serve as the president of the Harvard Wireless Club (W1AF) for the upcoming academic year.

**Aileen K. Hudspeth, N3YAC - Woodbine, MD**  
**Baltimore Amateur Radio Club Scholarship - \$1000**

Aileen will be a a sophomore at Radford University pursuing a degree in Music Therapy. In addition to her participation in the Music Therapy Club and Radford Role Players Guild, se was a News writer and Police Beat correspondent for the student published newspaper. She will also serve as a computer technician for all-female residence hall assisting residents in connecting to the dorm's Ethernet.





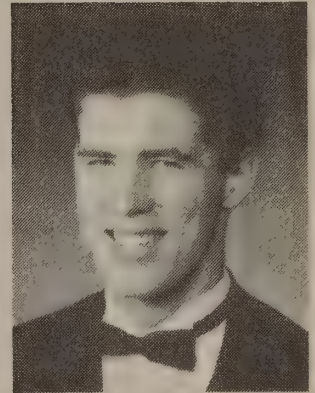


**Edward M. Cabic, N3IHX - Columbia, MD**  
**Baltimore Amateur Radio Club Scholarship - \$1000**

Ed will be entering Cornell University as a freshman. He has been an involved member of the Columbia Amateur Radio Association acting as one of the net control operators for their weekly net and participating in Field Day emergency preparedness activities. At Cornell, Ed plans to study Electrical Engineering, participate in Cornell's Amateur Radio Club and Broadcast Station.

**Michael S. Calhoon, N3SNI - Arnold, MD**  
**Baltimore Amateur Radio Club Scholarship**  
**Ernie Dobos Memorial Scholarship - \$1000**

Michael is a Computer Science Major at the University of Maryland, College Park. He is in the College Park Scholars Program and the Science, Discovery and the Universe subprogram. He is an active member of the of the Maryland Mobileers ARC and enjoys bowling.



**Nathan P. Jeffries, KI7QT - Spokane, WA**  
**Ralph V. Anderson (K0NL) Memorial Scholarship - \$1000**

Nathan is a previous winner of QCWA and 10-10 International Net Scholarships. This fall he will be a junior at Eastern Washington University in Spokane where he is majoring in Management Information Systems. His Amateur Radio activities have been mostly involved in ARES/RACES communications where he serves as an Assistant Emergency Coordinator for Spokane County. Time permitting he also enjoys working HF and weekly hidden transmitter hunts. Other activities include playing roller hockey and being a part-time volunteer fire fighter.

**Theresa A. Hartley, N4WVF - St. Augustine, FL**  
**Dade Radio Club Tropical Hamboree Scholarship - \$1000**

After being injured in a sawmill accident, Theresa decided to return to school. In May of this year she earned her Associates Degree from St. John's River Community College and now plans to continue toward her BS degree in computer science at the University of North Florida in Jacksonville. She is a member of the St. Augustine Radio Club and participates in ARES activities.







**Dennis M. Feehan, KD4SBN - Boca Raton, FL**  
**Dade Radio Club Tropical Hamboree Scholarship - \$1000**

Dennis was born in Chicago and has lived in Ohio, Ecuador, England, Canada and Florida. He has found that while Amateur Radio has been a means of keeping in touch with his friends, in addition, it has also served as an excellent tool for introducing himself into a new environment. He has been accepted at Harvard where he plans to concentrate on computer sciences with an eagerness to explore journalism, literature and math.

**Marco Midon, N5ACR - Miami, FL**  
**Martin County ARA Scholarship - \$1000**

While attending the New Mexico School for the Visually Handicapped, Marco was fortunate enough to have a teacher (WD5AAR) who never underestimated her students. In this spirit she decided to learn about electronics and amateur radio and then teach it to students. Today, Marco holds a General Class license and enjoys coping with his environment. He is now a graduate student at Florida International University where he hopes to obtain his Masters Degree in Electrical Engineering. This past summer he was a co-op student at the Goddard Space Flight Center and hopes eventually to work full time for NASA.



**Melody L. Siff, KE4ACK - Chesapeake, VA**  
**Vienna Wireless Society Memorial Scholarship**  
**In Memory of Victor C. Clark - \$1000**

Melody holds an Extra Class license and will be a sophomore at Old Dominion University majoring in Bio-Chemistry and Pre-med. She is a member of the very successful Virginia Beach Youth Group and has served as its secretary. She is also a member of the Chesapeake Amateur Radio Club. Her volunteer activities include working at two of the local hospitals,

**James Sikorski, N3PBH - Wapwallopen, PA**  
**Vienna Wireless Society Memorial Scholarship**  
**In Memory of Paul E. Wilkins - \$1000**

James has twice been a winner of other awards administered by FAR. He will be a senior majoring in Electrical Engineering Technology at Penn State University - Wilkes Barre. His community involvement includes being active in his Church Youth Group, volunteering at church events, and being an active part of the local communications team when needed for emergencies and charitable fund raising events.







**Jeffrey P. Morris, N3WEL - Hockessin, DE**  
**Rose Ellen Bills Memorial Scholarship - \$2000**

Jeffrey will be attending Rensselaer Polytechnic Institute where he will initially be pursuing degrees in Information Technology and Engineering. He holds a General Class license and operates both CW and Voice. He is active in sports and enjoys Ice hockey, roller hockey and baseball.

**Daniel S. Zimmerman - N3UMH - Erie, PA**  
**Rose Ellen Bills Memorial Scholarship - \$2000**

This is the second year that Dan has been awarded this scholarship. He had a 4.0 GPA for his first year at Clarkson University where he is majoring in Physics. He has an Advanced Class license and operates on all bands.



**Brian Roberts, KB3AWM - Knoxville, MD**  
**Frederick Amateur Radio Club Scholarship - \$1000**

After receiving his Novice license in 1993, it took Brian several years and hours of listening to conduct his own QSO. Now that he has broken the ice, he enjoys working on the 10 meter band. He is a sophomore at the Hagerstown Community College where he is majoring in Computer Science. His mother, two brothers and a sister are all licensed.

**Paige E. Forrest, KE3UB - Baltimore, MD**  
**Kevin Barry Perdue Memorial Scholarship - \$2000**  
**Sponsored by Kay(WT3P) and Carter (N3AO) Craigie**

Paige has completed two years at St. Johns College where she is majoring in literature and the college's "Great Books Program". In this program, there are no electives or majors, and no part of the curriculum is ever forgiven. It provides a broad and rigorous education where students cannot take advantage of their particular strong points or of courses that might be easy for them. She holds an Advanced Class license and operates on all bands. She was selected as the Volunteer of the Year at the Kennedy Krieger Children's Hospital. Upon graduation, she plans to study medicine and become a doctor.





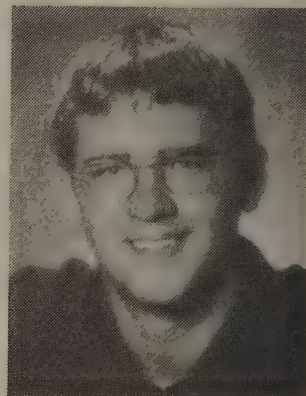


**Jessica L. Winzenried, KB9AMX - Stevens Point, WI**  
**West Allis Radio Amateur Club Memorial Scholarship - \$1000**

Jessica will be in her senior year at the University of Wisconsin at Stevens Point. Her major is Communications with minors in Business and Political Science. She is a member of the Marshfield Radio Club and operates primarily on two meters.

**Kurtis M. Kaun, N9PPF - Menomonie, WI**  
**West Allis Radio Amateur Club Memorial Scholarship - \$1000**

Kurtis became interested in Amateur Radio while obtaining Merit badges to become an Eagle Scout. His mother, father and brother are all licensed. He plans to major in Electrical Engineering at Marquette University.



**Michael Placek, KB9SCH - Oak Creek, WI**  
**West Allis Radio Amateur Club Memorial Scholarship - \$1000**

Michael holds a General Class license and has served as the Secretary Treasurer of his local radio club. He plans to pursue the Electrical Engineering Course at the Milwaukee School of Engineering. In addition to ham radio he has enjoyed doing electronic related science projects in high school. One of his successful and rewarding projects was to provide a handicapped seven year old child with a remote control to assist in the movement of a custom designed chair.

**Joseph A. Streeter, AA9TV - Fond du Lac, WI**  
**South Milwaukee Amateur Radio Club Scholarship - \$500**

Joe started out with a no-code license and soon qualified for his Extra. He operates on all bands and especially enjoys chasing DX and using low power. He plans to major in Electrical Engineering at the Herzing College of Technology.







**Wayne N. Poole, KB9ROV - Manawa, WI**  
**South Milwaukee Amateur Radio Club Scholarship - \$500**

Wayne convinced his father that ham radio would be a great hobby for the two of them and together they obtained their licenses. He plans to attend the Milwaukee School of Engineering and major in Computer Information Systems looking toward becoming a Network Specialist. While in High School he served on the yearbook staff which utilized his talents as a photographer.

**Michael M. Imrick, KB9LPJ - Mason, WI**  
**South Milwaukee Amateur Radio Club Scholarship - \$500**

Michael holds a Technician Plus license and enjoys packet radio, Skywarn operations and Field Day activities. He will be attending the Wisconsin Indian-Head Technical College at Ashland seeking an Associate Degree in Computers.

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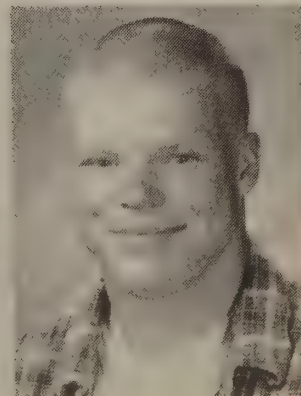


**David J. Bahr, KB9GHE - Sheboygan, WI**  
**South Milwaukee Amateur Radio Club Scholarship - \$500**

Through the encouragement of father, David became interested in Amateur Radio at the age of 10. Through the years he has participated in many community service activities including parades, bike races, and assisting the Red Cross during natural disasters. For the past year and a half, he has been working part-time as an announcer at a local radio station. He plans to major in Secondary Physical Education at the University of Wisconsin in Oshkosh.

**Christopher D. Molek, KB9GTK - Richland Center, WI**  
**Ozaukee Radio Club Scholarship - \$1000**

Chris has twice been a winner of awards administered by the Foundation and is the initial winner of this award. This year he will be a junior majoring in Chemistry at the University of Wisconsin-La Crosse. He holds a General Class license and active on all bands. He plans to continue on to medical school and specialize in anesthesiology.







**Jeremy Williams, KO4SJ - Virginia Beach, VA**  
**Virginia Beach Hamfest Scholarship - \$1000**

Jeremy will be starting at Old Dominion University where he will be majoring in Computer Science. Originally licensed in 1988 at the age of 8, he now holds an Advanced Class License. Currently he serves as the president of the very successful Virginia Beach ARC Youth Group where he is the last of the original members. He has been a Morse Code instructor and is active on all bands and modes.

**Matthew Ipock, KM4WZ - Chesapeake, VA**  
**Virginia Beach Hamfest Scholarship - \$1000**

Matthew will be in his junior year at Old Dominion University where he will be an English major seeking a degree in Creative Writing with a minor in Economics. Both his father and mother are licensed and provided the inspiration to participate in numerous public service activities.



**Ann Marie Stanley, KE4SCR - Chesapeake, VA**  
**Virginia Beach Hamfest Scholarship - \$1000**

Ann Marie has Technician Plus License and will be a Sophomore at the University of Virginia where she is majoring in Chemistry and Physics. She completed her first year with a 4.0 average. She hopes to continue on to Graduate School looking toward a career in medical research.

**James D. Osborne, N3LNS - Seaford, DE**  
**Nanticoke Amateur Radio Club Scholarship - \$1000**

James has been active member of the Nanticoke ARC for the past seven years and will be pursuing the Engineering curriculum at the University of Delaware. Based on his leadership and community service, he has attained the rank of Eagle Scout and has enjoyed the club's numerous public service activities. His family takes great pride in having 17 active licensed radio amateurs who stay in contact with each other. For them amateur radio is very important and lots of fun.





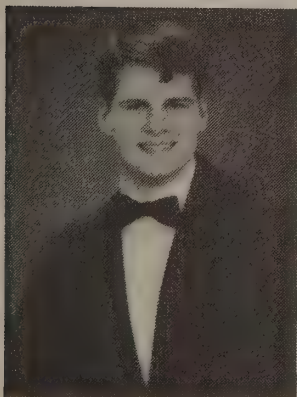


**Gregory Gutka, N3NLF - Easton, PA**  
**Murgas Amateur Radio Club Scholarship - \$500**

Gregory is studying to become an Electrical Engineer spending the first half of this school year at Pennsylvania State University and transferring to Lehigh University for the second semester. He has been active with the Delaware-Lehigh Amateur Radio Club and has actively participated in its Field Day Operation each year. Two of his other activities are bicycling and recording live music.

**Dana L. Eshelman, WS3L - Ft. Washington, MD**  
**Baltimore Radio TV Society Scholarship**  
**In Memory of Ernest L. Walker, WB3DVL - \$1000**

Dana is transferring to the University of Maryland at College Park for her junior year where she will be majoring in Accounting. She holds an Extra Class License and is active on all bands. She is an accredited Volunteer Examiner and has served as an ARRL HF Awards manager for the past six years. This the third year that she has received a scholarship award administered by FAR.



**Andrew M. Roberts, W3KN - Davidsonville, MD**  
**Free State Amateur Radio Club Scholarship - \$1000**

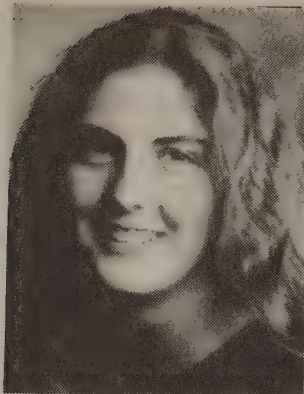
Andy holds an Extra Class license and will be attending the Embry-Riddle Aeronautical University at Daytona Beach, FL seeking a degree in Computer Science. He is a member of the Potomac Valley Radio Club and active on all bands with a strong emphasis on VHF contesting and DXing. Both his mother and father are licensed and inspired his going from being a Technician to Extra in about 3 years.

**Derrick I. Cobb, KB8NZT - Peebles, OH**  
**Robert E. True Memorial Scholarship**  
**Sponsored by Mrs. Shirley True Banning - \$1000**

Derrick comes from an all-Ham family and has been accepted at Ohio State University where he plans to study Computer Engineering. He acknowledges the influence of his father to obtain his ham ticket and select a career.





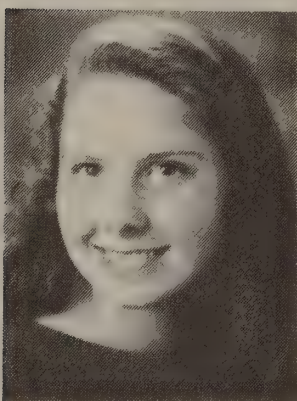


**Patricia E. Pelczar, KA1TPM - Rocky Hill, CT**  
**Lawrence E. and Thelma J. Norrie Memorial Scholarship - \$2500**

Patricia will be a junior at Trinity College in Hartford, CT where she is double majoring in Biology and English. She is a member of the equestrian team and works evenings at a local animal hospital. An animal lover from way back, she looks forward to a career in veterinary medicine. She holds an Extra Class License and is an active Volunteer Examiner. She comes from an all-Ham family and can often be found operating in pile-ups from W1AW, the ARRL Headquarters station.

**Erin M. Swaney, N3MGY - Mifflinburg, PA**  
**Old Old Timer's Club Scholarship - \$600**

Erin plans to major in Chemistry and will be a freshman at Indiana University of PA. She holds a Technician Class License and operates primarily on two meters. She enjoys photography, computers, camping and physical fitness. She has always enjoyed volunteering her time in order to help others while active with the Brownies, the Girl Scouts and with several clubs and organizations.

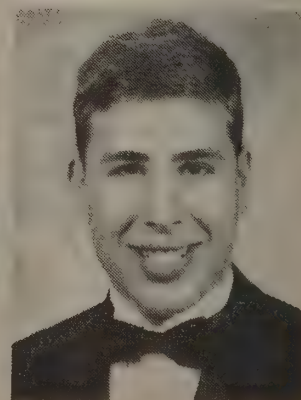


**Elizabeth Pelczar, KA1SLD - Rocky Hill, CT**  
**Northern California DX Foundation Scholarship - \$1000**

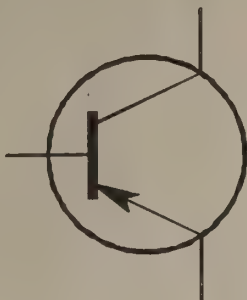
Elizabeth will be a senior at the University of Hartford where she is working on a joint major in Chemistry and Biology. This Fall she will be competing for the Rhodes and Martin Scholarships, both of which send a graduate student to England for two years to earn their Master's Degree. She comes from an all-ham family and serves as a Volunteer Examiner. Currently she is working on her DXCC Award.

**Dean Merritt, N3PTD - Hunt Valley, MD**  
**Maryland Mobileer's Memorial Scholarship - \$1000**

Dean will be a sophomore majoring in Liberal Arts at Villanova University. Both his father and mother are licensed radio amateurs. He holds a Technician License and is a member of two major radio clubs in the Baltimore area. His application indicates several significant school and community activities.







# Amateur Radio Training

John Forrest WZ4A  
6111 Burnett St., Alexandria, VA 22310  
(703)971-3905

Please send announcements for training classes and club training contacts to WZ4A at the above address. Deadline is the 25th of the 2nd month prior to the *Auto Call* publication date (e.g., 25 December for the February issue).

## Club Training Contacts

Alexandria RC	Rich Adamy KA4GFY	(703) 644-3920
Anne Arundel RC	Tony Young WA3YLO	(301) 262-1917
Arlington ARC	Mike Callahan NW3V	(703) 241-5618
Antietam Radio Assn.	Robert Long KD3JK	(301) 824-5132
BRATS (Baltimore)	Joe Chidester W3SHZ	(410) 602-0353
Baltimore ARC	HAM-TALK, BARC Voice Mail	(410) HAM-TALK x3835
Central MD ARC	Jim Tilton KD3JA	(301) 552-0012
Dulles ARG	Michael Weber WB8RDN	(703) 450-2304
Fauquier ARA	Neil Spokes AB4YK	(540) 364-3861
Frederick ARC	Hal Silverman W3HWC	(301) 831-7946
Historical Electronics ARC	Rol Anders K3RA	(410) 969-0410
Laurel ARC	Pud Reaver W3YD	(301) 498-6293
Mid-Atlantic DX Assn.	Michael Vaia, WB8VBW	(301) 738-3861
Madras	Larry Ziecheck, N3GKZ	(301) 984-6113
MD Mobileers ARC	Bruce Colburn AA3KR	(410) 437-1891
Montgomery ARC	Rocky Jones KC4UXO	(301) 216-5210
Mt. Vernon ARC	John Forrest WZ4A	(703) 971-3905
NASA/Goddard ARC	Vikki Gigante KA3PVS	(301) 249-2609
Ole VA Hams ARC	Charles Dale WA4YGI	(703) 361-3091
Pentagon ARC	David Boyd K9MX	(540) 659-6241
St. Marys Co. ARC	Peter Butt WA3UMY	(301) 862-2214
Shenandoah Val ARC	Fred Wetzel W4KRT	(540) 678-0394
Southern MD ARC	Vic Curtis WA3YUV	(301) 888-1388
Southern Pax ARC	Dwayne Kincaid WD8OYG	(410) 586-2177
Stafford Adult Ed	Jerry Mullinix AC4HK	(540) 659-3905
Sterling Park ARC	Forrest Snyder N4UTY	(703) 430-4149
Tri-County ARC	John Creel WB3GXW	(301) 572-5124
Vienna Wireless	Kerry Kingham, WA4BQM	(703) 691-2719
Woodbridge Wireless	Jim Duffey WD4AIR	(703) 491-3170





## Volunteer Examiner Cooperative

JOHN FORREST WZ4A  
6111 Burnett St.  
Alexandria, VA, 22310  
(703) 971-3905

\* ATTENTION VE's: It's time to plan your 1999 test dates. 1999 dates will appear in Autocall soon. Also, copies of the 1999 AUTOCALL exam schedule will be distributed to local ham radio stores around the middle of December. Please send your 1999 information to WZ4A as soon as possible.

\* Volunteer Examiners may refuse to test any applicant who fails to demonstrate to the VE's satisfaction that the memories in the applicant's calculator are empty. If you bring a calculator to an exam, please be prepared to demonstrate that your memories are empty.

\* Effective January 1, 1998, the maximum FCC authorized exam fee is \$6.39.

## 1998 Schedule of Examinations

<b>November 1 (Sunday)</b>	<b>Landover, MD - DCMARC (ARRL VEC) Walk-In</b> Contact: Freddie Battle NG3G (202)546-9348 Day (301)773-2898 Night
<b>November 5 (Thursday)</b>	<b>Martinsburg, WV-Mid-Atlantic DX &amp; Repeater Assn.(ARRL VEC)</b> Pre-Registration Preferred, Walk-Ins Accepted Contact: Gregory Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 Alan-Moeck@juno.com
	<b>Warrenton, VA - Fauquier ARA (ARRL VEC)</b> Contact: Neil Spokes AB4YK (540)363-3861
<b>November 8 (Sunday)</b>	<b>Middletown, VA - Winchester ARS (ARRL VEC) Walk-In</b> Contact: Alan Moeck WA2RPX (540)869-1117, Gregory Lanham KU4AN (540)722-4792, KUAN@visuallink.com

***Don't forget to bring your license when upgrading!!***



<b>November 9 (Monday)</b>	<b>Cockeysville, MD - Baltimore ARC (Laurel VEC)</b> Pre-Registration Required Contact: Frank Stone AC3P (410)HAM-TALK mailbox TEST (8378)
<b>November 14 (Saturday)</b>	<b>Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In</b> Contact: Frank Mackey K4EC (703)455-1510
	<b>Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC)</b> Walk-In, Contact: Bob Israel WC3I (301)262-5083
	<b>Sterling, VA - Dulles Amateur Radio Group (ARRL VEC)</b> Contact: Mike Weber WB8RDN (703)450-2304
	<b>Winchester, VA - Shenandoah Valley ARC (VEC Unknown) Walk-In</b> Contact: Fred Wetzel W4KRT (540)678-0394
<b>November 21 (Saturday)</b>	<b>Laurel, MD - Laurel ARC (Laurel VEC)</b> Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
	<b>Manchester, MD - Hanover Area Hamming Assn. (ARRL VEC)</b> Pre-Registration Preferred - Walk-Ins Accepted Contact: Ed Davis KE2FN (410)239-8488
	<b>Manassas, VA - Ole Virginia Hams (ARRL VEC)</b> Contact: Harry Vorhauer W4PVA (703)368-6050
<b>November 24 (Tuesday)</b>	<b>Glen Burnie, MD - Maryland Mobileers ARC (Laurel VEC)</b> Pre-Registration Requested - Limited Walk-In Contact: Jerry Gavin NU3D (410)761-1423
<b>December 3 (Thursday)</b>	<b>Martinsburg, WV-Mid-Atlantic DX &amp; Repeater Assn.(ARRL VEC)</b> Pre-Registration Preferred, Walk-Ins Accepted, Contact: Gregory Lanham KU4AN (540)722-4792, kuan@visuallink.com, Alan Moeck WA2RPX (540)869-1117, Alan-Moeck@juno.com
<b>December 6 (Sunday)</b>	<b>Landover, MD - DCMARC (W5YI VEC) Walk-In</b> Contact: Freddie Battle NG3G (202)546-9348 Day (301)773-2898 Night



<b>December 12 (Saturday)</b>	<b>Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In</b> Contact: Frank Mackey K4EC (703)455-1510 WebSite: <a href="http://www.mvarc.org">http://www.mvarc.org</a>
	<b>Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In</b> Contact: Bob Israel WC3I (301)262-5083
	<b>Cumberland, MD - (Laurel VEC) Walk-In</b> Contact: Gay Rembold W3DFW (301)724-0674

<b>December 13 (Sunday)</b>	<b>Middletown, VA - Winchester ARS (ARRL VEC) Walk-In</b> Contact: Alan Moeck WA2RPX (540)869-1117 Gregory Lanham KU4AN (540)722-4792 KUAN@visuallink.com
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<b>January 3 (Sunday)</b>	<b>Landover, MD - DCMARC (ARRL VEC) Walk-In</b> Contact: Freddie Battle NG3G (202)546-9348 Day (301)773-2898 Night
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<b>January 9 (Saturday)</b>	<b>Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In</b> Contact: John Forrest WZ4A (703)971-3905 Frank Mackey K4EC (703)455-1510
	<b>Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In</b> Contact: Bob Israel WC3I (301)262-5083

## **TRAINING CLASSES**

**GENERAL CLASS UPGRADE CLASS:** The Historical Electronics Museum Amateur Radio Club is conducting a training program for amateurs wishing to upgrade to General Class. Theory and code will be covered. The classes will be from 6:30 to 9:30PM on Tuesday evenings and will run from 20 September to 15 December 1998. Location is the museum in Linthicum, MD (near BWI airport) adjacent to the BWI Marriott Hotel at the intersection of West Nursery Road and Elkins Landing Road. The course is open to all licensed amateurs at no charge. For information and registration, contact Rol Anders K3RA at (410)796-4792.

***Don't forget to bring your license when upgrading!!***





# Volunteer Examiner Cooperative

## EXAM FEES:

- \* Check for appropriate exam fee. Fees and modes of payment for individual VECs and exam teams may vary.
- \* ARRL VEC exams cost \$6.35
- \* Laurel VEC exams are free
- \* W5YI VEC exams cost \$6.35

## BRING TO EXAM:

- \* Picture identification
- \* Completed FCC form 610 (most VE teams will supply at exam)
- \* Original and a copy of current FCC amateur radio license
- \* Originals and copies of all active certificates of successful completion of prior exams
- \* Exam fee (check or cash depending on VE team)

## "GRANDFATHER" CREDIT FOR ELEMENT 3B (GENERAL WRITTEN):

- \* If you presently hold a Technician class license which was first issued prior to March 21, 1987, you may be grandfathered for Element 3B (General class written exam) by presenting the original and a copy of the license dated prior to March 21, 1987 to the VE team. It is your responsibility to prove that you are entitled to grandfathering. Do not lose your original license!

## RULES FOR SUBMISSIONS TO THE FAR VOLUNTEER EXAMINER COOPERATIVE:

1. All submissions must be in writing
2. Date and day of week must be specified for each exam date
3. Point of contact and phone number must be specified
4. Sponsor and location must be specified
5. VEC must be specified
6. Exam dates up to 12 months in advance will be accepted
7. Deadline for submission is 25th of the 2nd month prior to publication date (e.g., January 25 for March issue)





## Alexandria Radio Club

**Meetings:** Second Friday of each month, 7:30 PM at the Alexandria Fire Department Administrative Office (co-located with Fire Station #54), 900 Second St., Alexandria, VA  
**Nets:** Every Thursday at 8:00 p.m. on 147.315 output / 147.915 input. (W4HFH repeater)

**Web page:** <http://members.aol.com/N4CWP/W4HFH.HTML> (or search on Yahoo: W4HFH or Alexandria Radio Club).

**Information:** Rich -KA4GFY, 703-644-3920.

The Alexandria Radio Club has been quiet, but we have been busy with public service activities and technical projects.

On the public service front, N4ASX made his station available for communications during one of the recent hurricanes. While help was not needed from the DC area, they did appreciate that someone in this area was available should the need arise. HF radio becomes very important in those situations since it does not depend on repeaters for long distance communication.

Several members helped provide communications for Fairfax Hospital during a scheduled phone outage. Two of our members served as net control stations, and solved a technical problem. Others were stationed at various places around the hospital grounds. Maintaining reliable communications in the hospital environment proved to be a challenge. Most people are under the opinion that Fairfax Hospital is an RF magnet. Not only that, the more RF you use, the more it absorbs. Some of the best sounding stations were not necessarily running the most power, but used a good antenna. Trying to access a repeater from the basement or interior of a building was next to impossible. Simplex operations became the best way to communicate. While the normal phone system was down, the backup system did not work in some areas.

The staff was a little nervous, but after seeing how ham radio worked, began to make use of our services.

As always, club members turn out for the annual Marine Corps Marathon. We are one of the most heavily represented clubs in the area to work the marathon.

Over the summer, some of us have been building. While not all of the building has been ham radio equipment, all has been related to ham radio. We are planning on a couple of club projects for the winter, and are looking for suggestions on more club projects.

If you are interested in learning more about what we are up to, drop on by for one of our meetings.

73,. Rich, KA4GFY



## Anne Arundel Radio Club

**Meetings:** 8 PM 1st and 3rd Thursdays, Davidsonville Family Recreation Center, Queen Anne Bridge & Wayson Roads off MD Rt. 214 near Annapolis.

**On the air:** 2030 Thursdays when there is no club meeting on 147.705/105. Tuesdays at 2030 local time on 28.410. Wednesdays at 2000 on 444.400. The Chesapeake Weather & Traffic Net on 147.705/105 at 1100 and 1500 every weekend day and public holiday from April 1 to November 15. MSN (Maryland Slow Net) every evening at 1930 on 3.7170 MHz.

**Address:** P.O. Box 308, Davidsonville, MD 21035.

**Information:** Margaret (Holly) Bevan, 410-923-0229.

At the September 17th program meeting John Kohl/KO4A and Tom Ostrosky/W3NI presented



a most interesting program on present day military radio equipment. John discussed UHF SATCOM (satellite communications) radios. He displayed one in a suitcase suitable for use in the field. He also had on hand examples of satellite antennas. Tom talked about current HF technology, such as equipment with ALE (Automatic Link Establishment) capability. This can select the frequencies which are best for establishing initial radio contact.

It is with sadness that we report three more silent keys. David Schramm/N3DUG of Bowie died September 1, 1997 at Prince George's Hospital Center. He was 67. We did not learn of his death until recently. He served in the U.S. Army, retiring as a lieutenant colonel. He won several campaign medals and the Bronze Star. Prior to retirement he served as Chief of Data Processing for the First Army headquarters at Fort Meade. David had been a member of AARC since 1990.

Paul Arnold/W3EVG died of cardiac arrest on September 19th in the Washington Hospital Center. He was 68. Paul had 20 years of active service in the Navy, retiring as a Chief Radioman. He received the National Defense Service Medal and a Bronze Star. After military service he was employed at Johns Hopkins University Physics Laboratory until his retirement in 1994. Paul had not been a member of AARC very long, but he became a very active member. He came to the September testing session and upgraded to Extra.

David Platky/KA3SPS died on September 28th. We will have more information on him next month.

At the clubhouse on September 12th, Bob Israel/WC3I, Oscar Ramsey/NV3G and Charles Tiemeyer/W3RMD gave five tests to five people. Four tests were passed with 2 upgrades. The other members of the testing team were Harold (Ham) Molz/N3FDH, Herb Elkin/NA1VY, Robert Kammer/N3POX and Bettye Tiemeyer/K3VRZ. The next testing session will be November 14th.

73, Holly/N3MB



## Central Maryland Amateur Radio Club

**Meetings:** 4th Friday of the month at 7:30pm, at the Doctors Community Hospital, 8118 Good Luck Road, Lanham, MD (no meeting in December). Enter in the Outpatient Testing entrance across from the Emergency Room entrance behind the main building. Take the elevator to the 5th floor and exit left, the meeting room (DSE Room) is on the right.  
**Repeater:** N3EZD/R 145.230 Mhz. Transmit a 110.9 Hz CTCSS Tone for full area coverage. No tone necessary for local coverage.

**Net:** Every Tuesday, 9:30pm, 145.230 MHz repeater.

**Mailing Address:** Central Maryland Amateur Radio Club, P. O. Box 788, Greenbelt, MD 20768-0788.

**Information:** Jim Tilton, Pres. - KD3JA, (301) 552-0012.)

**Web Page:** <http://www.erols.com/jctilton/cmarc/>.

### Club Officers Elected for 1998/1999 Term

At CMARC's annual election meeting on September 25, the members elected the following slate of officers by acclamation:

President – Jim Tilton/KD3JA  
Vice President – Mike Rafatjah/N3UEZ  
Secretary – Tom Wolff/N3BXW  
Treasurer – Tony Fominaya/N3JWT

### Greenbelt Labor Festival

Thanks to the many CMARC members who help with the Greenbelt Labor Festival special event station and with the Labor Day parade. We needed every single one of you to be able to pull it off! We made 253 contacts with the special event station, and, as of the end of September, we received over 70 requests for our special event station certificate!



## Thanks for help at FARFEST!

Thanks to CMARC members Tom/ N3BXW, Roger/W3VP, Jim/KD3JA, Chuck/N3ODK, Les/N3NCH, and Leah/N3RLN for assisting at the FARFEST Hamfest on Sept. 13th. Maryland/DC QSO Party

Two club members, Jim/KD3JA and Leah/N3RLN, operated the club station KB3BLR at Jim's QTH during the Maryland/DC QSO Party, August 8 and 9. They made 82 SSB contacts on the HF bands (including 10 Club, 7 Mobile and 6 QRP contacts) from 12 Maryland counties and 21 states and provinces, for a total of 7,392 points. Novice/Technician Class

CMARC's Novice/Technician class started on September 26. CW lesson will begin at 9:30am and lectures start at 10:00am. Classes will be taught every Saturday through December 19th, with testing on November 21st and December 19th.

73 de Jim/KD3JA



## Charles County Amateur Radio Club

**Meeting:** General membership meeting first Friday of every month at 7:30 PM in the Charles County Government Building, Office of Emergency Preparedness (OEP), La Plata, MD. Non-members are very welcome.

**Mailing Address:** Charles County Amateur Radio Club, Inc., P.O. Box 668 White Plains, MD 20695-0668.

**Repeaters:** KA3GRW/R, 443.700+, LaPlata, W6QMN/R 145.39+ (PL 7Z), Bryantown, MD

**Repeater Trustees:** KA3GRW, Mike Tackish W7UH, Bob Adams.

**Club Call Sign:** K3SMD

**Website:** <http://www.qsl.net/k3smd>

**Information:** Mike/KA3GRW (301)609-9298 or Gary/K3GRG (301)645-7465

## RULES & REGS, from page 9

FCC Amateur Vanity  
P. O. Box 358994  
Pittsburgh, Pennsylvania  
15251-5994

Don't worry if you missed those addresses. You can find them in the printed edition of this weeks report at: [www.arnewsline.org](http://www.arnewsline.org). Also this reminder. The vanity callsign filing fee dropped from \$50 to \$13 for applications filed on or after September 14, 1998.

*[Ed note: lest we forget, the shorthand "ARN" credit line appearing after the title of some items refers to late news about Amateur Radio for Radio Amateurs as prepared from NEWSLINE RADIO scripts by the staff of the AMATEUR RADIO NEWSLINE, INC., formerly the WESTLINK RADIO NETWORK.]*

September was a busy month for the club. During our monthly meeting on the 4th, WA1QAA/Mike, ARRL MDC SEC, made an outstanding presentation detailing the basics of emergency communication. He also provided many helpful handouts to assist our efforts toward training for communication emergencies. Thanks Mike, great job!

Our Activities Manager, W3TOM/Tom, announced the creation of an Emergency Communications Training Net on the club repeater (443.700) on the 1st, 3rd, and 4th Tuesdays of the month at 8:00pm. All area hams are invited to participate. Additionally, Tom will be our "guest speaker" during the October Monthly Meeting on October 2nd. He will be giving us some last minute instructions for the club participation in the Simulated Emergency Test (SET) on October 3rd.

TRAINING COURSE OFFERED IT'S NOT TOO LATE!!! The club is sponsoring an ARRL



Amateur Radio Training Course. WB3IUT/Joe will be the course facilitator. The entry level and upgrade course will focus on the Novice, Technician, and Technician Plus license classes. These classes will begin on October 7, 1998, 7:00pm at The Charles County Government Building, Office of Emergency Services. After each delivered element, exams will be given by our team of resident VE's. For more information, please contact Joe at WB3IUT@qsl.net or at 301-877-2048.

## SEPTEMBER ACTIVITIES

The club participated in the Charles County Fair on September 17-20, 1998 - our first ever! The weather was great - NO rain! A very special thanks go to KD4UUH/Ron, WB3IUT/Joe, K8TKC/Fred, KE3RE/Bill, W3SMD/JD, WB3KYW/Bill, K3GRG/Gary, and N3YAK/Valerie for manning the booth. We'll do it again next year, with lessons learned!

We were at it, once again, on September 27th. We were at the Doncaster State Forest providing communication support (event coordination and safety) for the Renegade 25/35 Competitive Trail Ride. This event hosted approximately 75 horses, and hundreds of spectators. Special thanks go out to N3KUQ/Art for participating and acting as the club coordinator for the event - could not have done it without you Art; and to W3ERU/Wes for letting us use his repeater (146.85) for the event. Thanks also go out to the following club members, AKA the "early Sunday morning riser club", for participating: N3SFY/Jim, N2OMC/Rob, and KA3GRW/Mike.

As you can read, we are an active and growing club in Southern Maryland. We encourage all area hams to attend our monthly meetings, and to visit our website for "breaking club news".

Until next month, 73,  
Gary/K3GRG, PIO, Charles County Amateur  
Radio Club, Inc.



## Cheese Hollow Amateur Radio Society

**Club Meetings:** Most Mondays 7 PM at our Club House, Stevenson Rd., Cheese Hollow (Rural Smithsburg, MD).

**Repeater:** 145.23 MHz (N3MVL)

**Club Station:** Currently HF +6 Meter All Mode +2 Meter FM & Packet +440 FM +ATV.

**Club House Phone:** (301) 824-1979.

**E-Mail:** W3HAM1@Hotmail.com

**Snail Mail via Trustee & Secretary:** Page Pyne WA3EOP, 230 N Potomac St. #3, Hagerstown, MD. 21740-3813.

Hi! This is our first column to Auto-Call. CHARS became a member of the Foundation in January 1998.

We are a small 12 member club with a club station located in a small building at the Cheese Hollow QTH of our President, John Smith, N3TDN. Other officers include Jim Fisher, KD3O as Vice President I see his website at [kis.net/kd3O/](http://kis.net/kd3O/), and myself (WA3EOP) as Secretary and Trustee.

Our club station W3IIAM is fairly active. We are often heard on NTS nets like the Maryland Emergency Phone Net and the Pennsylvania Phone Net. We act from time to time as a liason from the MEPN to the Almost Heaven West Virginia Phone Net.

W3HAM usually visits the Century Club Worked All States Nets at least once per week to help others who haven't worked Maryland. Maryland is one of the rarer states on these nets for some unexplained reason. (Check out the Century Club at 0000 UTC on 7.2335 MHz or at 0200 UTC on 3.904 MHz for their two most popular nets. The Century Club seasonally also runs nets on 60 meters (1.892) and on CW 80 and 40 when enough net controls are available.



W3HAM recently participated in the Maryland DC QSO Party and finished in 4th place from among the 11 clubs who sent in logs. Last year we were also 4th but at least we had a much higher score this year. Several of our gang also submitted individual logs in the QSO Party. (N3TDN, N3ZHI, K3CWC & WA3EOP)

Our Repeater, provided to us by its custodian N3MVL is used for safety communications for the Smithsburg CROP WALK. Several CHARS members will be assisting the Antietam Radio Association with this event which has walkers traveling the thoughorfares between Smithsburg and Cheese Hollow.

A few of our members visited Farfest and a week later motored to York for that Hamfest in its new location. We have had representation at about half the Foundation meetings since joining. Considering that's 70 to 90 miles driving each way, that's not bad. We try to be active for a small club.

73 Page WA3EOP



### Columbia Amateur Radio Association

**Club meeting:** 4th Tuesday of the month at 7:30 p.m., at the Bethany United Methodist Church, Bethany Lane, Ellicott City.

**Net:** 147.135 repeater at 8:30 p.m. each Tuesday except for meeting nights.

**Repeaters:** 147.735/147.135, PL control of 156.7 (cross-linked to 222.32/223.92); 147.990/147.390 (autopatch & direct dial 911); 222.32/223.92 (cross-linked to 147.735/147.135); 443.275/448.275, and 444.475/449.475 (autopatch & direct dial 911).

**Other club stations:** HF all mode 2-meter FM 2-meter 1200 baud packet (AX.25) on 145.690.

**Information:** Bob Scarburgh, Pres - KC3EV, (410) 465-2421.

**Website:** <http://www.clark.net/pub/jrmassi/caranews.html>

**Mailing:** P.O. Box 911, Columbia, MD 21044

## Wax, Wire, Tubes, and Tradition

For some it was history, for others nostalgia, but for everyone at our September club meeting it was a fascinating display of old recorders and vintage radios. Scott Perry (KB3BWS) delivered the highlights of his antique radio collection in his restored, two-tone 1955 Pontiac sedan. He recorded his voice on a wax cylinder and then played it back on his 1903 Edison recorder. This classic model with its bell horn cost \$40 dollars in 1903 (\$1500 in 1998 dollars?) and must have been quite a show stopper.

Scott also demonstrated a 1927 mechanical phonograph and a wire recorder used to capture political speeches of the Fifties and Sixties. His collection of portable radios ranged from a couple of hefty transoceanic models which would tire out Schwarzenegger if he took it on a picnic to one of the first transistorized, pocket-sized radios of the late Fifties.

Many of the club members recognized some of Scott's radios from their childhood and for a brief moment returned to their front parlors for a memory or two. Scott is a wealth of information about restoration techniques and where to locate parts for old radios.

If you want to see some very neat stuff, look for Scott at future hamfests. He's the guy leaning against that lime green '55 Pontiac over there in the tailgating section.

## The FCC Wants You!

The October 27, 1998 meeting of CARA will feature FCC agent Donald Bobert from the Columbia Field Office. He will explain some of the methods used by the FCC to locate RF signal sources and how the FCC deals with interference problems. He will bring one of the FCC's Mobile Digital Direction Finding (MDDF) vehicles and demonstrate how it works. These vehicles are specially equipped 4X4s that triangulate on signal sources and use the latest GPS and radio technology to do it. As always, guests are welcome.



## You have to talk the talk

Here are some modern jargon examples, from the book "Jargon Watch," just published by Wired magazine. Much of the new jargon is computer related, but I thought you would enjoy a few that are apropos of us hams:

**Alpha Geek** - The most knowledgeable, technically proficient person in an office or work group. "Ask Larry, he's the alpha geek around here."

**Beepilepsy** - The brief seizure people sometimes have when their beeper goes off (especially in vibrator mode). Characterized by physical spasms, goofy facial expressions, and interruption of speech in mid-sentence.

**Depotphobia** - Fear associated with entering a Home Depot because of how much money one might spend. Electronics geeks experience Shackophobia (See also Festophobia).

**Ohnosecond** - That minuscule fraction of time in which you realize that you've just made a BIG mistake. Seen in Elizabeth P. Crowe's book *The Electronic Traveler*.

**Percussive Maintenance** - The fine art of whacking the crud out of an electronic device to get it to work again.

**PEBCAK** - Tech support shorthand for "Problem Exists Between Chair and Keyboard." (Techies are a frustrated, often arrogant lot. They've submitted numerous acronyms and terms that poke fun at the clueless users who call them up with frighteningly stupid questions. Another variation on the above is ID10T: "This guy has an ID-Ten-T on his system.")

Keyboarding from my chair and wishing you a happy Thanksgiving,

de Tim/N3ZXQ



## Digital Mid-Atlantic Radio Council

**Meetings:** Quarterly, date/time TBA

**E-mail:** DMARC@QSL.NET

**Web Page:** <http://www.qsl.net/dmarc>

**Address:** P.O. Box 73, Accokeek, MD 20607.

**Next Meeting:** November 14 at 1:00 PM at the PG Emergency Operations Center.

The next quarterly meeting of DMARC will be held on Saturday, 14 November beginning at 1 PM at the Prince Georges County Emergency Operations Center (EOC), located in Seat Pleasant, Maryland near the USAIR arena. The EOC is approximately 1.5 miles west of I-95 on Maryland Route 214 (go to Jonquil Street, turn right and go up street to Anchor street, turn right into the EOC parking lot). Detailed directions and maps of the local area can be viewed on the DMARC web page (<http://www.qsl.net/dmarc>) as well as up-to-date details on specific meeting agenda items.

DMARC exists to provide an open forum for digital enthusiasts in the mid-Atlantic area to discuss issues such as frequency and band planning, packet radio and BBS network connectivity and various user applications such as APRS, TCP/IP and DX Clusters. As you all know, amateur radio activity has exhibited a marked decline during the last two years and the amateur digital modes have not been exempted from this drop-off in use. Now, more than ever, we need your support and participation as we strive to determine how to best represent the remaining digital mode users. We are also looking at options for revitalizing the legacy packet system we currently have while looking into potential equipment upgrades to greatly increase data throughput.

Other items of interest include utilization of packet radio for supporting ARES message routing



and "keyboarding" connections to distant locations. If you have an interest in these type applications, we'd like to encourage you to spend a few hours on 14 November to chart a new course for the coming year. Please accept our invitation to check out the DMARC web pages for additional information on meeting plans and let us know what you think. Our e-mail address is provided so you can send us your comments and requests for meeting agenda items. We hope to see you there!

Vr, Pete (WA3UMY)  
DMARC PIO



### Dulles Amateur Radio Group

**On-the-air meeting:** Tuesdays at 8:00pm on the Dulles repeater

**Repeater:** N4FSC, 145.310- (near Dulles airport)

**Mail:** Dulles Amateur Radio Group, P.O. Box 5073, Herndon, VA 20172-1964

**Home Page:** [www.darg.org](http://www.darg.org).

**Email:** [darg@darg.org](mailto:darg@darg.org).

**Club callsign:** W4DLS

**Information:** Mike Weber, WB8RDN, 703-450-2304.

*The Dulles Amateur Radio Group (DARG) is a family-oriented ham radio club affiliated with the N4FSC repeater in Dulles, VA. Membership is open to all, and the club holds several social operating events every year. Dues are \$20/yr. for your entire family; members have access to the repeater's autopatch, and dues include a 1 year subscription or renewal to Auto-Call. All area hams are warmly invited to join our information net on Tuesday evenings at 8:00 PM on the N4FSC repeater, 145.310-.*

### Examination Session

The Dulles Amateur Radio Group is committed

to holding Amateur Radio examination sessions at least three times a year. The next session will be held on Saturday, November 14th. We'll be offering all elements of code and theory, under authority of the ARRL VEC.

Those interested should come to the Galilee United Methodist Church, at the intersection of Route 28 and Route 7 in Sterling, Virginia. Examinations begin at 8:45 AM, and don't forget that the standard \$6.35 ARRL VEC fee applies.

You can find additional information on the subject, as well as detailed directions and a map to help get you to the event on DARG's web site. Head over to <http://www.darg.org/exams>.

### Membership Drive

All DARG members will shortly be receiving in the mail a packet of material that includes your membership renewal forms. All memberships expire on the last day of the year, and so it's vital that you renew between now and mid December. We encourage you to act quickly. You'll be glad that you did. (And so will the rest of us.)

### The DARG Holiday Party

The annual Dulles Amateur Radio Group Holiday Party will be held next month, on Saturday, December 12th, from 6:00 PM to 9:00 PM at St. Matthews Episcopal Church in Sterling. Again this year we will be holding a raffle, and the grand prize is an Icom IC-Q7A Ultra Compact 2 Meter/440 MHz Dual Bander Handheld with Full Feature Scanner, which we purchased locally. (The elves gave it their best, but we had to let them go when we found out that they were building a 25 kW 440 MHz HT. Thinking ahead, we were a little concerned over the biological effects on Tom (WB8ZRP) who in the past has demonstrated an uncanny ability to win raffles. Good luck again this year, Tom.)

And because we appreciate a good break when we're lucky enough to get one, we're exceptionally pleased to say that Marcia (KD4ITP) once again



this year has accepted the post of raffle chairperson.

As this article is being written, she is hard at work creating and printing the tickets, purchasing the prizes, and performing the many other tasks required to make the raffle a success. All this and she makes it look easy along the way.

### **New member**

Welcome aboard, Rikk (KG4AAO), DARG's newest member. Rikk has certainly hit the ground running by representing DARG in the most recent Sterlingfest, held just a few days after Rikk joined the group. Thanks for your help Rikk, and we look forward to your company.

### **DARG's new Vertical**

Chris (W1ZXX) has donated a Cushcraft R5 vertical antenna to the club. We'll be putting the antenna into service on Field Day, and a special event or two we're considering along the way. Thanks, Chris.

### **A new packet station?**

On a recent Tuesday evening net, Mike (N4PDY) offered an AEA TNC and Commodore 64 (including associated video monitor, cables and power supplies) free to anyone willing to make a sincere effort to put the equipment on the air.

Phil (KF4ZTO) DARG's youngest member has taken up Mike's challenge. (I wonder which is older, the Commodore 64, the TNC or Phil.) In contrast, when I was 10 years old, I spent my time watching Road Runner. True, I didn't learn much about data communications, but I've become quite adept at running over coyotes with a steam roller. Anyway, keep us posted on your progress, Phil, and don't hesitate to ask for help.

### **Next Trustee Meeting**

The next Dulles Amateur Radio Group Trustee meeting will be held on Saturday, December 12th

from 5:00 PM to 6:00 PM at St. Matthews Episcopal Church in Sterling. The meeting is being held immediately prior to the Holiday Party, so we encourage you to come an hour early and participate in the Trustee meeting. We're working on an agenda, and will post it on the web site and announce it on the weekly net well in advance of the meeting. All of the membership is welcome, in fact, encouraged to come and express your views. We hope to see you there.

### **Finally...**

We'll be reminding you of these and other topics on DARG's Tuesday evening net each week at 8:00 PM on the N4FSC repeater (145.31 -600), and on DARG's web site at <http://www.darg.org>. And that's it for now.

73 de Bob/AB3H



### **Green Mountain Repeater Association**

**Repeaters:** \*146.61 Cheverly, \*146.88 Greenbelt. \*(Autopatch).

**Information:** Don Tinari, W3RYQ, (301) 262-7062.

**Mail:** P.O. Box 523, Bowie, MD. 20718.

**E-mail:** [mgreen@erols.com](mailto:mgreen@erols.com).

**Socials:** Luncheon, 1st Saturday of each month at 11:30 A.M., Laurel Centre Indoor Mall Eatery.

**Nets:** 146.88 - Old Gent's Net, 9:30 A.M. and 6:30 P.M. every day. Washington Adventist Amateur Radio Association Net, every Thursday at 9:30 P.M.

The GMRA Fall/Winter 1999 edition of the bi-annual Newsletter is almost completed and should be in your mailboxes by early November. We hope you enjoy it.



## GMRA MANUAL:

The new and revised GMRA Operating and By-Law Manual is completed. Thanks to HD, N3LFL, costs were limited to the purchase of paper. Joe, KD3VR, did the paste-up, yours truly the re-write, Bruce, N3ZUY, the computer format and the Board of Directors the review. A team effort. It was re-written to include all new controller features and in generic form to minimize changes. We hope it is informative as well as interesting. Copies and new code cards will be mailed to all members renewing in 1999 and new members.

## AUTODIAL SAVES TIME:

Just a reminder that it is no longer necessary for you to program an autodial number. GMRA will do that for you, upon request. Autodial substantially reduces the number of buttons that have to be pressed to place a telephone call.

## FCC PROPOSAL:

Please do not forget to respond to the FCC proposal/questions on the re-structuring of the Amateur Radio Rules/Regulations. The October issue of QST, page 56, has an excellent write-up and includes information on how to go about responding directly to the FCC web page or via e-mail. Your input will count!

## GAITHERSBURG IS OUT; BAYSOX IS IN:

The FARFEST, usually referred to as the Gaithersburg Hamfest, will no longer be held in Gaithersburg. Effective 1999, the event will be held at the Baysox Baseball stadium in Bowie, Maryland. For most GMRA members this will be a much shorter drive. Our Bowie members may even be able to walk to the event, although lugging back equipment is another story.

## 1999 RENEWAL:

Included with the Newsletter to be mailed to out in November, will be a 1999 GMRA renewal form. We hope you will continue to support the

Association which, in turn, has supported the Amateur Radio community and public service for almost 3 decades. Your consideration is appreciated. Thanks.

## MEMBERSHIP LOCATION SURVEY UPDATE:

Board of Director member and GMRA Treasurer, Don Tinari, W3RYQ, did an up-date survey on where our membership reside. In priority order, the majority (almost 70%), reside in: Silver Spring, Bowie, Laurel, Beltsville, College Park, Lanham, DC, Hyattsville, Seabrook, Adelphi and Greenbelt. Nice job Don.

## ANNUAL BUSINESS/LUNCHEON

The annual GMRA business/luncheon will be held on Saturday, December 5th 1998, 1130 am, at The Old Country Buffet, Laurel, Maryland. The restaurant is located at the intersections of routes 197/198 just across the road from Hechingers. Please join us in this annual event. Potential members are most welcome to attend.

73 de Murray K3BEQ



### Historical Electronics Museum Amateur Radio Club

**Meetings:** Second Thursday of each month, 5:30 PM, In the Historical Electronics Museum, West Nursery Road and Elkridge Landing Roads. Linthicum, Maryland (Next to BWI Marriott Hotel).

**Info:** Nick Yokanovich, N3YVW, (410) 544-5736. **Club Station:** W3GR.

**Mail:** P.O. Box 746, Mail Stop 4015, Baltimore, MD 21203.

**Web Page:** <http://members.aol.com/wk3p/se.htm>

**Street address:** 1745 W. Nursery Rd., Linthicum, MD 21090.



## FARFEST

The FARFEST table turned out to be lots of fun, with many visitors recalling their experiences with some of the equipment on display and some very welcome offers of artifacts and knowledge of older equipment.

The FARFEST gate group made their contribution to the club treasury and FAR. Manning the gate were: Nick Yokanovich, N0NY; Sammy Bryant, KB0RPB; Chuck Angel, AA3FB, Gary Ryan, W3GMY; Bill Corley, NG3O and the author.

HEMARC is looking forward to the new FARFEST in the new PG Stadium next year.

## EMISSIONS

The highlight of the September meeting was an exceptionally enlightening and fascinating presentation on Electromagnetic Emissions in the radio spectrum. Richard Biby, KD4DSX provided an in-depth tutorial on what the new rules actually mean and how they can be determined in actual practice. Some of the measuring instruments were demonstrated. He also demonstrated some terrain profile software that is very useful in this work and for many other amateur applications such as how to make sure you buy your new house in the best location. We and our neighbors will all be safer and the rules much better understood as a result of this presentation.

## FCC/ARRL LICENSING PROPOSALS

The discussion of the ARRL/FCC proposal on licensing and privileges continues with no real consensus and an awful lot of confusion. The possibility of a HEMARC position being generated was discussed. This is a daunting task in a club with just about every aspect of amateur radio represented. To be continued. . . .

## HURRICANE GEORGES

The reported sweep of Puerto Rico by hurricane

Georges caused considerable at Northrop-Grumman when they could not reach their plant on the south coast or Puerto Rico by telephone. Joe Meagher, W3KJT and Les Jamison, WR3X activated the W3GR station and called on several members to attempt to reach the vicinity of the plant. After a day of frustration, Gene Knapp, W3BAB was able to reach the area and determined the extent of damage. Good work Gene and all who participated. The cooperation of the nets involved was exemplary.

73 de Chip W4PBG



### The Maryland Apple Dumpling Radio Amateur Society, Inc.

**Meetings:** 2nd and 4th Thursdays - 7:00 P.M.  
St. Paul's Church, 10401 Armory Avenue,  
Kensington, Maryland 20895.

**Clubhouse:** MADRAS Clubhouse, 11800  
Coakley Circle, Rockville, MD 20852

**Nets:** 1st and 3rd Thursdays at 9:00 P.M. on  
145.45 MHz (PL-5A).

**Repeaters:** 444.100/449.100 MHz (PL-2A),  
145.45/144.85 MHz (PL-5A).

**WWW Address:** <http://mvhsl.mbhs.edu/~fwright/MADRAS.html>

**Mailing:** P. O. Box 2468, Wheaton, MD 20902

**Information:** Leo Boberschmidt KA3TGY  
(301)946-3738, Jean Blacik N3PLC (301)  
984-6114.

Our September 10th meeting was a "What We Did And What We Will Be Doing in 1998-1999". We did a Field Day 98 wrap, discussed the Special Events planned for September and the Scouts JOTA which will take place in October.

The Labor Day Event at St. Paul's Church in Kensington, Maryland on September 7th was a huge success. We had a table set up with a limited ham radio demonstration. We were on 2-meters using our handhelds on the MADRAS repeater

(145.45) and also had a 2-meter packet station up and running as another demonstration.

With the big parade passing right by us we drew quite a few observers to our table. Several of our members were at their homes waiting for contacts on the repeater so they could talk to whoever wanted to try talking on the repeater. We all had a lot of fun that day.

MADRAS celebrated "Ham Radio Awareness Day" on September 12th at the Kensington Park Library. We realize that we were a week earlier than everyone else but had to do so because of the travel schedule of so many of our members. We operated HV/VHF/packet. We had one HF station operating, using an R-5 vertical and a 40-meter dipole that was used at Field Day 98. We also had operations on 2-meter via the MADRAS repeater and other repeaters. We sent out general messages via the local packet BBS. The HF station used the new MADRAS club call: W3MAD.

There was lots of activity around our table and many of the young people were fascinated with our set up. Plenty of handouts were distributed to the passerby's. Perhaps we may see some new operators in the near future.

There will only be one meeting in November and that will be on the 12th. Thanksgiving always falls on the 4th Thursday and that definitely has priority over our meeting.

Don't forget to check in on the Thursday non-meeting night Net at 9:00 P.M. We'll be looking for you.

**HAPPY THANKSGIVING!!**

73... Jean - N3PLC



Reminder - all submissions for

**AUTO CALL**

are due no later than  
the 1st of the month prior to the  
month of publication!!



## **National Capital ARES Council**

**NCAC Net:** Sunday at 9 PM on 146.655(-)

**Voice mail:** (703) 359-3414.

**E-mail:** NCAC@usa.net.

The National Capital ARES Council (NCAC) offers training and encourages jurisdictions in the region—including the District of Columbia, Maryland and Virginia—to work together and support each other in public service in preparation for eventual emergency service.

Long term or large-scale operations can hardly happen without "mutual aid".

Weekdays are extremely difficult because so many of us work and can't take time from our jobs to volunteer. Weeknights are difficult because we need our rest and weekends because we have errands and projects at home or plans with families and friends.

During planning for Operation Rock-n-Roll on September 22nd, I found myself constantly reminding someone that even though we might have difficulty filling all communications needs for a drill on a Tuesday, if this were "the real thing" we'd have hams "coming out of the woodwork".

As it was, we had a significant number and we did our usual best, being flexible and professional while getting the job done. If this had been "the real thing", phone service had failed and radio systems had been incompatible, we would have been the only common link in town. That's a fact.

If you are interested in public or emergency service—and you don't need to be a veteran—check our Public Service Calendar and volunteer. You are never limited to your own jurisdiction and the best way to learn how is by doing the job.



If you are interested in attending NCAC meetings, check-in to the NCAC Public Service Net, check our voice mail which is provided for our use by Virginia Power, or e-mail us and we'll let you know when and where. Everyone is welcome. You need not be an appointed official of ARES or RACES.



## Potomac Valley Radio Club

**Packet:** K3MQH 145.63, K4FJ 145.77, KE3Q 145.57 445.375, N3RR 145.51 441.325, N4OHE 145.71 440.925, N4SR 145.63, W3LPL 145.59 441.25, WR3L 145.61 440.95.

**Web:** [www.pvrc.org](http://www.pvrc.org) & [www.pagesz.net/~pvrcnc](http://www.pagesz.net/~pvrcnc)

**Repeater:** 147.000(-) Thanks to Ashton RCS  
**Information:** Bob Dannals, W2GG@amsat.org, 410-472-2004 before 9pm and Rich Boyd, KE3Q@erols.com, 301-464-8014.

*PVRC is a non-dues regional contest club with members in an 175 mile-radius area centered on Northern Virginia.*

This column will provide the casual operator with sufficient information to participate in three selected November contests. You do not have to be a member of any club or send in a score to enjoy operating in contests and helping others to earn points. Local times are given below but any logs should be in UTC (Zulu) time.

Sweepstakes-CW. Nov. 7th 4pm to Nov 8th 11pm. 1.8 - 28 MHz except WARC bands. Mostly in general class bands with some novice band activity. Work US (including possessions) and Canadian stations. A sample exchange is: NR123 A N4XYZ 97 VA where NR# is a sequential QSO number starting with 001, A is transmitter power, N4XYZ is senders call, and VA is senders ARRL

section. The transmitter power indicators are Q for 5W or less, A for 150W or less, and B for higher power. Work each station only once during the contest regardless of the band.

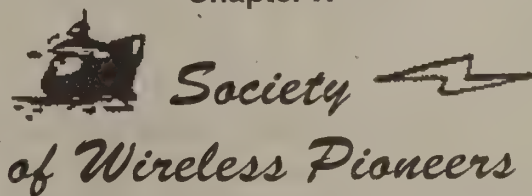
Sweepstakes-Phone. Nov 21st 4pm to Nov 22nd 11pm. See CW rules above.

CQ Worldwide DX Contest - CW. Nov 27th 7pm to Nov 29th 7pm. 1.8 through 28 MHz except WARC bands. Work anybody in the world except only work one station in your country per zone per band. The exchange is signal report and zone number, i.e., 59905. Most will send 599 regardless of your actual RST. We're in zone 5.

PVRC has made arrangements to distribute shareware copies of CT 6.26 (a 1991 contest program) at NO COST to Hams in the PVRC area. The September column described the CT program and the FREE offer. Briefly, the files that come with CT6 contain obsolete data and the current CT9 files are incompatible with CT6. But, I will be glad to prepared data files with updated information in the CT6 format and write a manual if there is sufficient interest. If you are interested please let me know by the above packet, postcard, e-mail, or telephone. You will be advised when the software package is ready and how it will be distributed.

73, Dick Wilder, K3DI, 913 Shore Acres Rd, Arnold, MD 21012-1724 [wilder@clark.net](mailto:wilder@clark.net) 410-757-6706.

## Chapter X



THE INTERNATIONAL ORGANIZATION  
OF PROFESSIONAL RADIO TELEGRAPHERS

For Information Call  
(703) 536-9537



## Quarter Century Wireless Assn. Chapter #91

**Meetings:** Neighbor's Restaurant, Cedar Lane and Park Street, Vienna, VA; third Saturdays; Noon. Business/Program Meetings: Odd-numbered months. (Come at 11:30 to chat; program begins at noon.) Informal/Ragchew Meetings: Even-numbered months.

**Newsletter:** Bi-monthly to all members.

**Information:** Dick Rucker (KM4ML), Secretary; 10426 Darby St., Fairfax, VA 22030-3603; 703-591-3279. Also on the VHF net.

**VHF FM Net:** Sunday 9 AM, 146.79MHz.

Chapter 91 has been busy recently! Here is a rundown of our activities: W4QCW Net

Our Sunday morning net continues to be very popular with members and non-members. NCs are Al Wheeler (WB4JJJ), Dick Rucker (KM4ML), Jack Kelleher (W4ZC), Jim Wilcox (W3WV), and Gordon Messmer (W4IQA). As others gain courage, this list will grow. W3HQG Antenna Project

Irv Hershowitz (W3HQG) lives in an assisted-living unit run by the Marriott Corporation. When Irv moved there, Terry Hines (N4ZH) put a 2m J-Pole in Irv's fourth-floor window so he could check into the W4QCW net. This station was barely adequate, considering that Irv is surrounded by many tall buildings.

Irv talked with Marriott management about installing an antenna on the roof (217 feet AGL, the second tallest building in Arlington) and the idea was met with enthusiasm! Management and engineering were unbelievably cooperative! Marriott really cares for the well being of its residents and does know how to say, "Yes!—How can we help?!"

Dick (KM4ML), Jim (W3WV), Terry Hines (N4ZH), and Jack (W4ZC), performed site surveys, negotiated, consulted, and recommended. Irv hired Norm's Rotor Service (Norm Jeweler (W3NRS)) to do the actual installation; Dick (KM4ML) and Al Cammarata (W3AWU) assisted.

Irv now has antennas for HF (W9INN 80 through 10), 2m/70cm (Diamond), and a Diamond discone scanner antenna (25MHz through light, or something like that). Many thanks to all those, particularly to the Marriott engineering staff, who helped with this. Field Day.

Lew Bradley (W4SWP), Al (W3AWU), Al (WB4JJJ), Jim (W3WV), Jay Jackson (W4VG), Jack (W4ZC), and Terry (N4ZH), put up antennas, set up a generator, and made a fair number of contacts.

Three stations were set up during the daylight hours. Al and Al operated QRP on 40 meter CW; Jay operated mixed modes on 2, 20, and 15 meters; and Terry, Lew, and Jim operated CW and SSB on 80/75 Meters. The Al-squared QRP operation had excellent results: Their 2.5 watts and \$3.95 inverted-V yielded 111 contacts and 28 sections in the relatively few hours they were active!

Everyone had a good time, and we all learned some things to enhance our portable/field operating skills. We look forward to next year's FD exercise. Vic Clark Chapter Annual Picnic

We had our annual picnic on one of those incredibly wonderful Washington DC July days we had this year. The picnic generally was pot-luck (WOW! Some excellent food!). Terry provided the hamburgers, hot-dogs, and buns, and was a fine chef. There was so much good food that everyone got to take a few helpings of some favorite dish that another brought.

Best of all, of course, was the company: We really had a delightful time. We wish you all could have been there to enjoy the fine fellowship and food.



## September Meeting

Thirteen members and four guests attended. President Terry (N4ZH), was on travel, and Secretary/Treasurer Dick (KM4ML), chaired the meeting.

The program was a discussion of the chapter's participation in Field Day. Al (WB4JJJ), gave a humorous recap of this year's outing. He showed off several items he has either built or procured, with being better prepared for next year's Field Day as his goal.

Wayne Cooper (AG4R), displayed a home-built one-meter-diameter loop antenna, similar to the portable one he exhibited at the May meeting. This one is capable of handling one kilowatt. It requires a vacuum capacitor rated at 45 kilovolts.

Nelson Seese (W4BHD) showed a home-built J-pole antenna he made from aluminum clothesline wire. Nelson used much ingenuity in designing this antenna, which can be built in only a few minutes, is very inexpensive, and is quite flexible and adaptable.

Lew (W4SWP), told a humorous story from this Field Day. This led to other stories being told by Lew and others. The story-telling session was a highlight of the meeting! This is such a delightful characteristic of our chapter.

Milt Snyder (W4AWL), brought a station-wagon load(!) of electronic parts and test and lab equipment dating from the 1920s to the 1950s. This was given to him by Alfred A. Blanco, a former ham. Al and his wife now live in a nursing home and Al had to get rid of his collection. There was no Ham gear, but lab equipment from GR, Hickock, Gönset, Smallcross, Eico, and others; some antique telegraph keys; four boxes of tubes; various radio receivers; and many boxes of small parts and miscellaneous ephemera. What an auction!

AR 73 DE W3WV



## Shenandoah Valley Amateur Radio Club

**Meetings:** First and Third Friday of every month at 7:30 p.m. SVARC Club House 2921 Grace Street, Winchester, Virginia.

**Repeater:** 146.22 In/ 146.82 Out.

**Net:** Shenandoah Valley Emergency Net (SVEN) 7:15 daily on 146.22/146.82 Repeater.

**Mailing:** P.O. Box 139 Winchester, 22604.

**President:** Wayne Koehler, KE4PMS

**Info:** Wayne Koehler, 540-667-8629.

**Internet home page:** <http://www.vvalley.com/svarc>.

SUMMER IS OFFICIALLY OVER! Wonder when it will rain again here in the Shenandoah Valley? Well, just in case things are getting boring....take a look at the list of Public Service Events below that the SVARC is supporting this fall.

### PUBLIC SERVICE EVENTS:

Sep 19-20 1998 Sat, Sun, Apple Harvest Festival, Jim Barnett Park. Club Set up a Packet Station on Saturday.

Oct 03, 1998, Sat, Walktoberfest

Oct 03-04, 1998 Sat, Sun MS 150 Bike Tour (Two Day Event)

Oct 16, 17, 18, 1998 Fri, Cedar Creek Battle Re-enactment Sat, Sun, Held at Belle Grove Three Day Event.

Oct 17-18, 1998 Sat, Sun Boy, Scout "Jamboree On The Air". Held at Belle Grove Two Day Event.

### SOCIAL EVENTS:

Sep 12, 1998 Sat SVARC Family Picnic / Flea Market Was held at the Jim Barnett Park in

Winchester, VA. Thanks for attending and we hope everyone had a good time. A big THANK YOU for Karen (KF4LGW) and Jane (KF4VEC for catering to us.

### SPECIAL EVENTS:

Nov 06, 1998 Fri SVARC 50th Anniversary Banquet, Winchester Medical Center, Conference Center at 6:30PM. Note: Invitations will be mailed to members and guests with details. Save your 50th Anniversary Invitations as a souvenir. It will be a long time before the next one (100th) is celebrated.

Nov 07, 1998 Sat SPECIAL EVENT: SVARC 50th Anniv., QSL Club Card. The SVARC will have a QSL Contact 50th Anniversary Event. On Sat Nov 7, 1998....Club members will be operating on three (3) amateur bands to enable HAMS to contact our club (call sign W4RKC).

Stations contacting W4RKC may request a special 50th Anniversary QSL Card. We will be operating at the following times: Start Time (UTC) 1400z, End Time (UTC) 2000z. The frequencies we will use are: 14.335MHZ 28.335MHZ 146.820MHZ.

Name and Address for requesting a QSL Card: SVARC, P.O. Box 139 Winchester, VA. 22604.

Until next time.....HAPPY THANKSGIVING  
and 73, Guy Avey / W3INT

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### Southern Maryland Amateur Radio Club

**Meetings:** 2nd Friday of each month at 1930 ET at the PG County Police, Clinton Station, 6707 Groveton Drive, Clinton, Maryland.

**Nets:** Tuesday at 2000 on 147.15+ Repeater; Wednesday at 2000 on 1.865 (+/-QRM); Thursday at 2000 on 28.447 USB.

**Repeater:** WA3YUV/R 147.15+, Brandywine, Md. PL 114.8, Autopatch to 911.  
**Mailing Address:** P.O. Box 273, Cheltenham, Md, 20623

**Information:** Vic (WA3YUV) & Linda (KA3VNI), (301) 888-1388.

**Internet:** <http://www.iscanit.com/smarc>

Dear Auto Call readers, this month SMARC participated in the annual Prince George's County Fair by displaying an Amateur Radio Station and handing out magazines and ARRL information on the wonderful world of Ham Radio.

We also would like to invite all to come out to fellowship with us at the Denny's Restaurant on Alexander Ferry Road. in Clinton MD, every 2nd. Sunday of the month at 9:00 a.m.

SMARC would like to thank the following SMARC members for their participation in the Prince George's County Fair on September 12: Al, W2GJS; Ken, KA3POX; Frank, N3OCW; Greg, N3MPR; Vic, WA3YUV; Linda, KA3VNI; Vic, KB3BTD; and Joey Curtis (no callsign yet,) Sam, N3GHY; Kenney, KB3BXT; Mike, N3RWF; Hank, W3FVD; Allen, KA3ZPA; and Jim, N3SFY. Sorry if we left out anyone!

Also, be on the lookout for our new 440 repeater at 443.600 out and 448.600 in (PL Tone 103.5 when needed) to soon be on the air. The repeater has been hooked up but as of this writing it is not quite operational.



By the time you read this, the SMARC training course for Novice and Technician class license, will have started on October 12 at the Frederick Douglas High School on Croom Road, just east of Route 301 near Upper Marlboro. Vic, WA3YUV will be teaching the theory, and Richard, WK3I, will be teaching the CW. We hope to have a good turn-out and that every student passes!

Everyone is welcome and invited to join in on our SMARC nets as detailed in the heading above.

That's about it for this month, folks ... 73,  
Kenney KB3BXT



### **Sterling Park Amateur Radio Club**

**Meetings:** 8:00 P.M. - Third Monday of the month except July and August at Sterling Community Center Annex, Church Rd. (Rt. 625) near Route 28, Sterling, VA.

**Mailing:** Call Box 599, Sterling, VA 20167.

**Information:** Bill Lorentz, KS4II, 703-444-6341 or via email KS4II@AOL.com.

Eighteen amateurs attended the annual SPARC Open House meeting in September. I was great to see everyone after our summer break.

Thanks to Ed Larsen, KF4PJS, for his input on his recently acquired clamp-on vertical antenna and to Ray Wilson, W1NUH, for sharing his photographs and stories about his WWII radio experiences. Thanks to all who responded to the survey that was passed out during the meeting and keep the suggestions coming.

Enjoy the Thanksgiving Holiday!

73, Bill, KS4II



### **The Middle Atlantic FM and Repeater Council, Inc.**

**Meetings:** Coordinating Committee (CC) normally meets the last Monday of each month, 19:30, in the OEP conference room of the Prince George's County Emergency Operations Center off Central Avenue. Talk-in on 147.18.

**Address:** P.O. Box 1022, Savage, Md. 20763-1022 for all correspondence.

**Web Page:** [HTTP://WWW.T-MARC.ORG](http://WWW.T-MARC.ORG)

**E-mail:** [TMARC@T-MARC.ORG](mailto:TMARC@T-MARC.ORG)

**Information:** President - Owen Wormser K6LEW (703)684-7682 CC Chairman - Bill Conaway W8HNT, Pager (703)741-4251.

**Ombudsman:** Jim Erickson K3LFO (410)549-1041, [K3LFO@APEXGRP.COM](mailto:K3LFO@APEXGRP.COM).

As a result of the status inquiry letters Bill W8HNT, our frequency coordinator, has been sending to repeater sponsors, we've had a couple more frequencies turned in for re-coordination. These include 146.61 near Romney, WV, by W8FZP, and 224.98 at Falls Church, by N4CHP. And N3PWF advised that he moved his 224.16 repeater into Pennsylvania, out of the T-MARC area. This frees up this frequency for re-coordination. Thanks, guys!

Unfortunately, we continue to get mail returned by the US Post Office as undeliverable, due to an address which is no longer valid. Please remember, it's the obligation of all repeater sponsors to keep T-MARC (as well as the FCC!) aware of a valid mailing address. If we get mail returned, your coordination is subject to cancellation! So PLEASE protect your coordination (and your Amateur license). We would also like to have the E-mail addresses of any sponsors who have access to Internet mail.

Our Open Band Planning Committee (OBC) has been asked to look into the use of slow-scan television (SSTV) on 2 Meter FM. With the

availability of new hand-held SSTV equipment which can be connected to a hand-held radio, the question of whether its use over a repeater is legal. Yes, it is. But you might want to check with the repeater's sponsor to be sure he doesn't mind hearing those strange-sounding audio tones come over his machine! In addition, the OBC is researching whether there is, or should be, a commonly used 2 M. simplex SSTV frequency. If you have any knowledge, or suggestions, please pass them on to our OBC via our Web page, or you can send them directly to me (since I'm also the chairman of the OBC).

Here's a final reminder about the T-MARC Annual Meeting and election of officers for the coming year. It will be held on November 15th at 2 PM, at the Lee Center in Alexandria, Va. Nominations for the replacement of several officers/Board members are invited. We especially need someone to handle the secretarial duties, as well as a treasurer. Can you help? I hope so!

That's it for now. See you on the 15th!

73, Gary, W3DTN, T-MARC PIO



### Woodbridge Wireless, Inc.

**Meetings:** Second Tuesday of each month at Springwoods and Chaucer, Lake Ridge, VA.

**Net:** Monday nights at 2000 on 147.24 with 224.78 link.

**Packet:** N4SR 145.63 (DX packet cluster)

**Luncheon:** Every Friday at noon. Check-in on 147.24 for location.

**Repeaters:** WB4FQR 147.24 (+), WB4FQR 224.78 (-), WB4FQR 444.90 (+), N4LJZ 147.585 simplex PL-100 HZ

**Mailing:** PO Box 112, Woodbridge, VA 22194

**Information:** Bob Graham, K4RG, 703/878-0697

**Web Page:** <http://www.pwcweb.com/wwi/>

## SIMPLEX REPEATER MOVES FREQUENCY

At the request of T-MARC, the Woodbridge Wireless simplex repeater (currently on 144.99) was moved to 147.585 MHz in mid-October. The PL tone for repeating your voice will remain the same (100Hz), as will the call sign, N4LJZ. This repeater is good for signal/audio tests, short QSOs, and also has an autopatch capability available to members. The control ops for this repeater are N4LJZ, K5OF and W4DC. The reason for the move, according to T-MARC, is that the 144.90-145.00 band segment will be used for digital communications in accordance with the changed band plan approved in July 1997.

## JOTA

The Woodbridge Wireless sponsored it's seventh JOTA, Jamboree On The Air, on October 17th. Amateur radio was introduced to over 300 scouts at the Prince William County Fall Camporee. The WWI Emergency Vehicle "the bus" was there as a base of operation. It was really a very effective way to get young people interested in amateur radio. Thanks to all who volunteered their time.

## NOVEMBER & DECEMBER MEETINGS

The November 1998 WWI meeting will be our annual budget meeting. If that order of business is taken care of in short order, Mr. Sail Boat, KT4AD, will give a presentation on knots that hams should know. This program will included hands-on practice for everyone present. See you on November 10th. Also, don't forget the annual holiday party on December 5th - the program will be wine tasting.

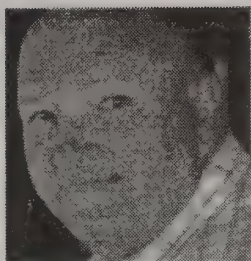


Reminder - all submissions for

**AUTO GALL**

are due no later than  
the 1st of the month prior to the  
month of publication!!





# The Changing Future of Amateur Radio

by Page Pyne, WA3EOP

The future of Amateur Radio as we know it is up for grabs. The FCC has proposed a streamlining of the Amateur Radio Service. Under their proposal in Docket WT-98-143 the FCC speaks of eliminating the Novice License and potential future Tech + licenses. The FCC is wondering aloud whether to keep the 3 tier code system of 5 wpm, 13 wpm and 20 wpm OR to reduce the requirements to a one or two tier code system for licensing. The FCC is asking for your comments on this matter and also asking what code speeds are appropriate for testing criteria as licensing requirements. There are several other matters in the petition. You can read all about it at [www.arrl.org](http://www.arrl.org) on the web. The FCC has given us to December to make comments. Comments can even be filed electronically at the FCC web site, [FCC.gov](http://FCC.gov).

Are you wondering how LEO is doing? Well the latest word is that little LEO is still frequency hungry but may have decided that going after our 440 MHz band may not be worth the hassle. The APCO organization (Police Communications Operators) became a strong advocate for us in this battle. THANK YOU APCO! And they had help from others. Obviously some people still see Amateur Radio as a resource for Public Service.

It is good that we have these allies because KD3JK informs me that our allies within the FCC itself are no longer there. Think about that....

For Amateur Radio to thrive we need advocates outside the amateur community AND we need amateurs to care. You the club member need to care when our frequencies are challenged. You need to care when our license structure may be changed.

You need to care when Darrell, N3QBI, or the club asks you to participate in any activity that demonstrates Amateur Radio in a positive fashion. You need to attend meetings when possible and help shape your club's response in these changing times.

To Care you should get on the air and use your licensed frequencies. Use them or lose them has been said before. You should establish a dialog with your fellow amateurs as to where you want to see Amateur Radio in 5 or 10 years.

Now you really have a chance to make a difference. The ARRL went on record this year as supporting a two tier code license structure of 5 and 12 wpm . 5 wpm would become the new General and Advanced Speed and 12 wpm would apply to extra class hams. What do you think?

The FCC wants your code speed recommendations and RATIONAL thoughts supporting your suggestions. Not having any code test for licenses with HF at this time is not an option and will not be possible until at least the year 2007 due to international treaties.

In case you are wondering, I'm a 20 wpm Extra Class ham who favors 5 & 12 wpm as was a portion of the ARRL proposal. I think that in these modern technological times having code as a roadblock to HF is silly. Yes, I operate some on CW, but there are hams who use slow scan television who never answered an FCC question on that mode. I think there are so many modes available for our use if we have the time and money that it is silly to single out code as the one mode for practical testing. That's my opinion, what is yours?

# **G AND G ELECTRONICS**

OF MARYLAND

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Non-commercial advertising of Amateur associated equipment is available to subscribers of *Auto-Call* at the rate of 5 cents per word with a **\$2.00 minimum**. Commercial vendors and non-subscriber rate is 17 cents per word with a \$5.50 (1 inch) minimum. Special headings or special spacing (e.g. one item per line) may be used but such ads will be charged at the column inch rate.

Estate sales for Widows assistance handled by a FAR club will be published without cost.

Your full name and address must be provided with each ad but need not be published. No ads will be accepted over

the telephone and all ads must be prepaid. Ads that will be running for longer than 1 month must be accompanied by a letter stating the length that the ad is to be run. Since no effort is made to investigate advertisers, no warranty can be implied. Copy **MUST** be received by the 1st day of the month prior to the month of publication. Send all commercial and non-commercial advertising and Shack Sales to:

**John Queen, Auto-Call Editor**  
755 Woodland Way, Owings, MD 20736  
(301) 855-0198

**FOR SALE:** Widows Assistance from the estate of Ed Phillips, W3TSK. Heathkit SB-200 Linear Amplifier, \$250.00; Heathkit IM-2410 Frequency Counter, \$50.00; Heathkit HM-10A Dipper Tuner, \$15.00; Heathkit VF-1 Frequency Oscillator, \$20.00; Swan SWR-1 meter, \$20.00; 2-Heathkit HM-11 SWR meters, \$15.00; Heathkit MDL-1B5281 RLC Bridge, \$10.00; Astatic D-104 Mike, \$40.00; Power Supply, 15V-DC, 30 A, \$75.00; Kenwood R-100 Receiver, \$175.00; Heathkit HW-12 SSB 80 Meter Transceiver, \$45.00; ICOM IC25H Mobile 2 Meter Transceiver, \$100.00; Heathkit HW-101 10-80 Meter Transceiver, \$145.00; Heathkit 20 Meter SSB Transceiver, \$45.00; ICOM IC-740 Transceiver, \$250.00; Homebrew Antenna Tuner, \$25.00. Please call Bob Henkel, NA3R, on 301-649-4494 or e-mail jrhenkel@erols.com.

**FOR SALE:** New Alinco DJ-C1 2 meter transceiver. About the size of a credit card, 300 mw, 118 - 174 Mhz extended receive, 20 mem., lithium batt and 2 hr charger, \$70.00. Standard C510A dual band HT, 1 watt, cross band operation,

200 mem., 100 - 950 Mhz rcv, CTCSS encode/decode, Like new \$150. New Standard CHP 111 boom headset for C510A, \$25.00. Don W3RYQ, Bowie, MD. 301-262-7062. [11/98]

**FOR SALE:** 2 Meter HT, Radio Shack HTX-202 rubber ducky and AEA Hot Rod, \$125. PC card modem 14.4 baud Blackjack, \$15. Call Bob, N3FRT (202) 363-3253, or e-mail rhaslach@capaccess.org. [11/98]

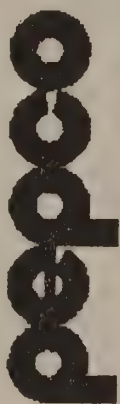
**FOR SALE:** Measurement S #80 signal generator 10khz to 470 Mhz, \$50. H-P frequency counter 5381A to 80 Mhz, \$95. Davis pre-scaler to 500 Mhz may be used with above, \$40. Welz 1.8 to 500 Mhz 200 watts in original box. Output and power. \$45. Palomar M827 2KW digital SWR and PWR, \$45. CW typewriter, \$65. Leader oscilloscope new in box LB0310A, \$95. Have antennas, laboratory meters, stainless steel cable, insulators, boxes of jacks, plugs, etc. Oodles of amateur equipment. W3MSN (301) 894-3977. [11/98]

**NOTICE:** Any other hams having trouble with

their Yaesu FT-920 please call or write. Thank you  
W3MSN. (301) 894-3977. 5108 Boulder Dr. Oxon  
Hill, MD 20745. [11/98]

**FOR SALE:** Kenwood Ts-140S HF transceiver,  
Kenwood external AT-50 Automatic Antenna  
Tuner, with manuals, excellent condition.  
Originally \$1110 both. Asking \$800. Charles Kahn,  
evenings Tuesday through Thursday, (301) 868-  
7120. cjkahn@juno.com. [11/98]

**FOR SALE:** 50' crank up tower, Mosely TA33  
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cash you haul. WB3KBU, Jim (301) 868-7061. [11/  
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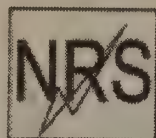
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is an organization of publishers and editors  
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information, write to Lee Knirko, W9MOL,  
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[SWP]

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[SWP]

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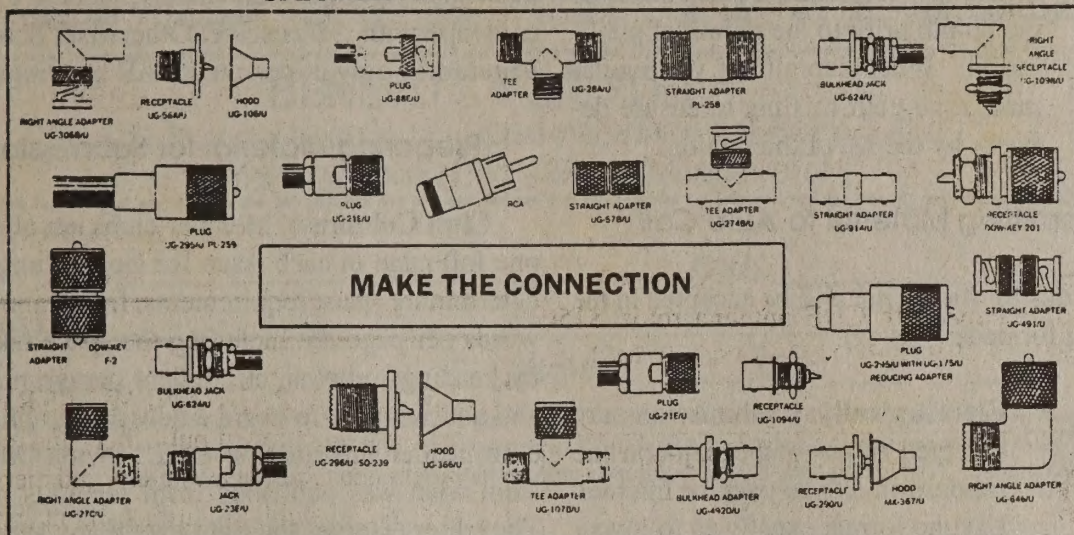
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[07/98]



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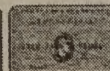
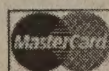
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# Auto Call Production Policy



**Deadline:** The deadline for ALL submissions to *Auto Call* is the 1st day of the month prior to the month of publication. When submitting via regular mail, time your mailing to ensure delivery by the 1st of the month.

## Submitting Material to *Auto Call*

Submissions for *Auto Call* will be accepted in the following formats:



**Electronically:** Submissions are accepted via any of the major on line services directly or over the Internet. Use the format exactly as follows:

**Internet** - JohnQueen@AOL.com

**America On Line** - JohnQueen

**AppleLink** - johnqueen@aol.com@internet#

**BitNet** - johnqueen%aol.com@cunyvm

**CompuServe** - INTERNET:johnqueen@aol.com

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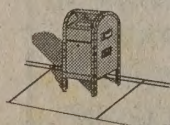
**Delphi** - internet"johnqueen@aol.com"

**FidoNet** - To johnqueen@aol.com<CR><CR>

**GEnie** - johnqueen@aol.com@inet#

**MCI Mail** - mbx: johnqueen@aol.com

**Prodigy** - johnqueen@aol.com



**Regular Mail:** Mail typewritten or computer generated hard copy to: John Queen, Editor, *Auto Call* Magazine, 755 Woodland Way, Owings, MD 20736. Ensure that your printed material is dark enough for scanning.



**Computer Disk:** Submissions are accepted on 3.5" or 5.25" computer disk, in either Macintosh or MS-DOS format, using Word, WordPerfect, or standard ASCII text files. Write your name, telephone number, and club name on the disk. Submit graphic files (club logos, etc) in an EPS or TIFF format. Please verify the readability of your com-

puter files before sending. If you want your computer disk returned immediately, include a SASE envelope with .32 postage. Otherwise, disks will be returned only in person at FAR meetings.

## Preparing Material for Submission

**Club Columns:** Member clubs are allocated one full page in each issue for club columns. In determining space requirements, figure about 700 words per page not including the space taken up by headings, photos, etc. Indent paragraphs .25" and double space to begin a new paragraph. Send club header information **ONLY** when different from what was published from previous month. The editor reserves the right to edit any submitted material for space, content and/or applicability.

**Hamfests/Events:** Member clubs are allocated one full page per year to promote one club sponsored hamfest, convention, or special event. Submit clean black & white camera ready copy only by mail. Master copy should be in black ink on white paper and should be in proper page ratio, (Copy space is 7" wide by 9" high). Copy can be reduced or enlarged as necessary. Electronic submissions of Hamfest ads will not be accepted.

**Photographs:** The editor will select the best photograph submitted for the cover each month. Photographs should depict club members, club stations, or amateur radio related events that are current and noteworthy. Clubs may also submit photographs for inclusion with their club column. Photographs will be used in columns when space permits. Either B&W or color photos can be used. For each photograph submitted, write your name, phone number, and club name, along with a description of the photograph on a piece of paper, and tape it on the back of the photograph. Do not write on the back of your photo. If you want your photos returned immediately, include a SASE envelope with sufficient postage. Otherwise, photos will be returned only in person at FAR meetings.





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# Area Club Meetings - NOVEMBER 1998

<i>Sunday</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>
<b>1</b> Kent Island	<b>2</b> DOSARC	<b>3</b> Antietam PGWA	<b>4</b> BARC Montgomery	<b>5</b> Anne Arundel	<b>6</b> Mobileers Charles Co. Shenandoah	<b>7</b> Green Mtn.
<b>8</b>	<b>9</b> Carroll Co. Potomac	<b>10</b> Leisure Frederick Woodbridge	<b>11</b> VOA <b>FAR - VA</b> Exp Post	<b>12</b> AMRAD MADRAS Mid-Atlantic Mt. Vernon HEMARC Faquier	<b>13</b> Vienna So. Maryland Alexandria	<b>14</b> North Point
<b>15</b>	<b>16</b> OVHA Sterling Park	<b>17</b> Antietam Arlington	<b>18</b> BARC Montgomery Goddard QCWA 137	<b>19</b> Anne Arundel	<b>20</b> Shenandoah	<b>21</b> Capital City QCWA 91
<b>22</b>	<b>23</b> Calvert	<b>24</b> Columbia	<b>25</b> Exp Post Moose Carroll Co.	<b>26</b> MADRAS St. Mary's	<b>27</b> Central MD Vienna	<b>28</b>
<b>29</b> Adventist	<b>30</b> Green Mtn. T-MARC	<b>Happy Thanksgiving!</b>				



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